

National Sugar Growers' Association OFFICERS FOR 1884.

President-Norman J. Colman, St. Louis, Mo. Vice Presidents-Capt. R. Blakely, Minnesota; D. F. Kenner, Louisiana; X. K. Stout, Kansas; A. Furnas, Indiana; C. F. Clarkson, Iowa; A. J. Decker, Wisconsin; A. G. Wil-ilams, New York; Dr. E. F. Newberry, Ill. Secretary—F. K. Gillespie, Edwardsville, Ills. Treasurer—J. A. Field, St. Louis, Mo.

We have recently perused a pamphlet by Mr. H. O. Ames, describing the advantages to be gained by using the fumes of sulphur in cane juice, and also the increased efficiency of a continuous steam train as compared with isolated pans. In this pamphlet the author has given to the public many useful hints, and directs attention to the weak points in the practice of sugar making.

The utility of sulphur fumes may be considered as pretty generally conceded,

considered as pretty generally conceded, but it is important that every person en-gaged in the manufacture either of su-gar or of sirup should understand that chemical reagents as well as machinery, must be used intelligently in order to de-rive benefits therefrom.

rive benefits therefrom.

The question of a continuous train, as compared with isolated pans and storage tanks for semi-sirup, etc., must be settled by the experience of each manufacturer. One of the most wasteful features in sugar manufacture is the abuse of fuel. A great deal can be saved in this of tuel. A great deal can be saved in this respect by carrying the process rapidly to a conclusion. But a stoppage of any part of the work will then immediately stop the whole—and it is necessary, when working continually, to have each successive stage in the work controlled by machinery of a little larger capacity than the preceding, in order to keep the road clear. Now, when it is considered that the mill, at its best, runs but eighteen hours out of the twenty-four, whereas the evaporators can be run full time, the economy of working without

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time, the economy of working without storage tanks admits of question.

As to settling tanks and their advantages, we consider that opinions upon this point may be held in reserve until the chemistry of cane juice is better understood than at present.

derstood than at present.

Mr. Annes' little treatise is very suggestive in many places, and we shall have further occasion to refer to it.

Steam Coll, Etc.

BY E. W. DEMING, OF THE LAFAYETTE SUGAR COMPANY.

In reply to the article of H. B., Lenawee county, Mich., would say—For a copper pan 4 feet in diameter or less, would use 2 in. coil with one inlet and one outlet; for a 5 or 6 foot pan, would use 1 1-2 in. coil, with two inlets and two outlets; larger pans should have 2 in. coil, with two or more inlets and outlets. A four foot pan requires 40 feet or 96 lbs, if 2 in. coil, with one inlet and one outlet; if of 1 1-2 in. coil, with two inlets and two outlets, there will be required 52 feet or 120 lbs. A 5 foot pan requires 71 feet, 11-2 in. coil, two inlets and two outlets, weighing 160 lbs. A 6 foot pan requires In reply to the article of H. B., Lena-

time or exposed to hard or continual rains, required varying qualities of sul-phur to accomplish the same result. For the above reasons, the box was thrown out, and will either force the fumes of

out, and will either force the fumes of sulphur into the juice in the clarifier with a pump, or force them into a barrel of hydrate of lime, making a strong bisulphite of lime that can be used with as much certainty as lime. Will Prof. Wiley kindly tell us of the different ways of preparing bisulphite of lime and sulphurous acid, manner of applying, and its effect when used in connection with lime? Can it be used on cane juice for the same results as on beet juice? What has become of the sorghum lapping fiend of Bavaria, Kas.? Has he become a martyr to science, departing this life by fiend of Bavaria, Kas.? Has he become a martyr to science, departing this life by the explosion of one of his signal service sorghum thermometers, or must he have the presence of solid blocks of cane miles square and 12 feet deep to obtain the necessary "inspiration" to do us fel-lows up? Come to the front please. West Point, Iud., March 17th, '84.

Remarks: The time of holding the next meeting can be made to suit the majority of the members-if their wishes can be ascertained. But after the crop is worked up there will be time to settle this matter.

Sulphur Fumes.

EDITOR RURAL WORLD: I tried sul-phur fumes last year, and like it very much. This is one form of sulphurous acid, Bisulphite of lime is another, (very

acid, Bisulphite of lime is another, (very convenient too,) Stewart's "Solution B." is another. It is a powerful antiseptic as well as a bleacher.

The price of the "sulphur machine" of the Southern planters, puts it away out of reach of small manufacturers. Dr. Collier gave me an idea, and I worked out what I now use—a wooden cupboard, made weter tight, twelve liches deep out what I now use—a wooden cupboard, made water tight, twelve inches deep and twenty-four wide and high, (all inside measurement,) with seven shelves twelve inches wide and twenty-two inches long. Put the first shelf against one end of the box, the next one against the other end, and so on alternating. Set this level each way. Run the strained juice from the mill into the top of the box at the end against which the shelf is put, which will run from shelf to shelf, zig-zag, through the box, and out at the lower corner on the bottom on the same ower corner on the bottom on the same lower corner on the bottom on the same end. Bore a hole in the end just above the lower shelf, (opposite end from the outlet for the juice) for the entrance of the sulphur fumes, and a hole over this in the top, for its exit. For draft and to carry off the fumes, insert in this hole a piece of tin conductor as long as convenient or necessary.

Now have a tinner make a "joint" of pine six irches at one end and two at

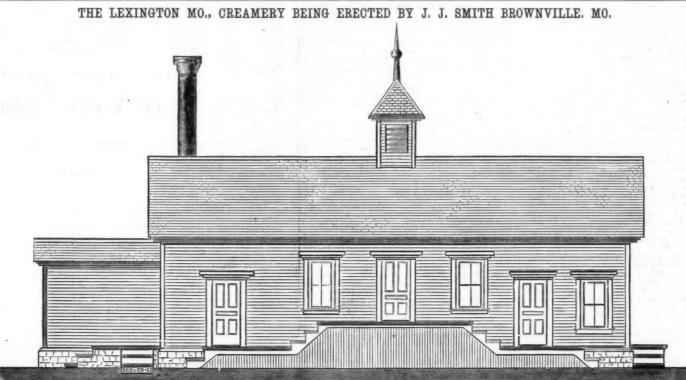
Now have a tinner make a "joint" of pipe, six irches at one end and two at the other. Cut a square hole at the bottom and fix a sheet iron slide for charging and draft. Set this in a round pie tin, connect the top with the sulphur box by a piece of conductor with an elbow, and you have my sulphur box and stove completed.

and you have my sulphur box and social and you have my sulphur box and social and you have mill, and as soon as the juice enters the box, put a smallpleee of brimstone in the tin, light it, and regulate your draft at the square hole, burning more or less brimstone, as the juice may require, to give the right color. Of course I use ime, the best I can get. I use a Gem No. 4 crusher, and burn bagasse; both of which work first rate.

Lengthily yours,

C. L. N.

atmospheric pressure (nearly 15 lbs. per square inch that the steam forming on the coil must overcome before it escapes, by which the deep boiling has much the steam forming on the coil must overcome before it escapes, by which the deep boiling has much the state of the lime water without the machine. He writes me he has been studying how to the lime water without the machine. He writes me he has been studying how to the lime water without the machine. He writes me he has been studying how to the lime water without the machine. He writes me he has been studying how to the lime water without the machine. He writes me he has been studying how to the lime water without the machine. He writes me he has been studying how to the lime water without the machine. He writes me he has been studying how to the lime water without the machine. He writes me he has been studying how to the lime water without the machine. He writes me he has been studying how to the lime water without the machine. He writes me he has been studying how to the lime water without the machine. He writes me he has been studying how to the lime water without the machine. He writes me he has been studying how to the lime water without the machine. He writes me he has been studying how to the lime water without the machine. He writes me he has been studying how to the lime water without the machine. He without he machine. He writes me he has been studying how to the lime for the last two file with all the fresh dirt, then press firm with the foot or hee. With the guano. It also the little fresh with the foot or hee. With the guano. It also the lime water with all the fresh dirt, then press firm with the foot or hee. With the guano. It also the lime water with all the fresh that, and drop the apartus, and it wood ashes and two parts dirt, and drop with the foot or hee. With a spoonful in a hill. And in using the baparatus, for making sulphurous acid was earn at wood ashes and two parts dirt, and drop with the foot or hee. With the foot or hee. With the dress of miles deserves this. Mary can be worker, shat otherwise would not will asked on the region of the server of the server



FRONT ELEVATION-MISSOURI CREAMERY BUILDING ASSOCIATION J. J. SMITH AND CO., PROPRIETORS, BROWNSVILLE, MO.

I shall make some machines with connections complete, and furnish them at less cost than you can make a single one, (I use a gasoline burner to heat the retort, the heat is steady and easily controlled; I use rubber hose instead of iron pipe), with instructions how to use the apparatus, and how to use Bisulphite of lime and sulphurous acid with lime, so that amateurs can make good sugar and molasses with that nice maple sugar and molasses with that nice maple

sugar and morasses with that fince maple flavor we all like so well.

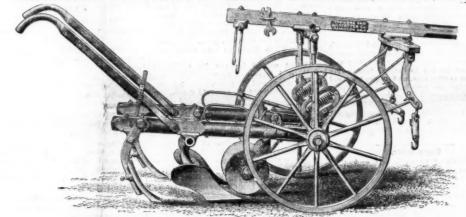
I am not much of a writer for publication, and would not have written this but I saw the amateur was getting into trouble. I think it is wrong for Mr. Anderson or any one, to tell how to make chemicals for amateurs to use, when they do not know how to do it. know how to do it.

DANIEL ROOT. Hudson, Mich.

Fertilizers for Sorghum.

EDITOR RURAL WORLD: In my reply to T. J. E., of Fairville, Mo., in RURAL of March 13th, I gave my method of planting and cultivating cane, except that I did not say that I dragged and plowed it after it got well up. And I did not say anything about using fertilizers. My land was naturally rich, so that it would seem that manure was not needed. The cane would grow ver needed. The cane would grow very large with the cultivation that I gave it, without manure, and I am decidedly opposed to rank barn-yard manure on sorghum ground under any circumstances. But I have used fertilizers a great deal to good salvanage, even on my best

THE HAMILTON ADJUSTABLE-ARCH BAR-SHARE CULTIVATOR WITH BAR-SHARES AND ROLLING COULTERS ATTACHED—MANTFACTURED BY THE LANG & ALLSTATTER CO., HAMILTON, OHIO.



Herewith we present illustrations showing both side and rear views of this complete cultivator, which is manufactured and sold by The Long & Allstatter Co., Hamilton, Ohio.

Coal Oil Barrels Aga

Start the mill, and as soon as the juice of 11-21 in. coll, with two inleast in box, pure against the box, pure against and two outlets, there will be required 50 feet of 12-10 in. Coll pan required as feet of the part of

less for best results in production as many of our field crops. It may deserve all the praise given it, way down in Dixie, on rich, sandy loams, but on stiff lands and in our upper southern latitudes, farmers will act wisely to let it

there is cheering progress in their mission of usefulness. Why is it that our governmental appropriations to agriculture are so disproportioned? The answer is plain, there is too much lawyer and not enough farmer in our legislatures, and this answer is very far from being prompted by prejudice, for lawyers have as much right to go to our legislatures as farmers, but the trouble is that so many of them are in our legislatures and that they are unfamiliar and unsuited; indeed, too often, indifferent to assist interests which are not exactly in their line. their line.

American statesmanship, and nine-American statesmansip, and inneresteen-twentieths of what we call our statesmen are lawyers, are much more at home legislating in the interests of their professions, framing laws to suit manufacturers or banks, or making lavish appropriations to every conceivable appropriations to every conceivable governmental extravagance, or gifts to railroads, and this, in their view, may be exercising a high order of statesmanship, but a much more comprehensive statesmanship, and even grander, is certainly to multiply blades of grass; in this they surely would be fostering the most substantial wealth of all countries, and just here, the common sense view comes in that there should be more farmers and fewer lawyers in our legislatures.

Again, more farmers are needed to put on the brakes and restrain reckless appropriations for any purpose; for this

put on the brakes and restrain reckless appropriations for any purpose; for this recklessness, especially so at Washington, is fast breaking up the deeps of honest and honorable labor and occupations, and we are becoming a restless nation of beggars. We are sowing the wind and the whirl-wind must come. Pardon this line of thought, though hardly a digression.

Farmers, however, should insist upon fairly liberal State appropriations, for agricultural trials, especially those of grass culture.

grass culture.

The South is credited with not being a The South is credited with not being a grass country, and how little her farmers are prepared to say whether this is true or not, and no southern State should refuse aid to solve the problem for them. This provided for, with favorable experiments a great impulse would be given to grass culture. Even in portions of the United States, where grass has been made a leading farm product for more than a century, only latterly has the greater value of mixing a great variety of grasses had much attention.

Grasses have a social nature, and mix-

of grasses had much attention.
Grasses have a social nature, and mutually assist each other, growing in company. This fact unknown or disregarded, may be one of the reasons of falluris in the South to establish meadows and permanent pastures. Let us then insist that experiments in grass culture on our State farms shall be provided for, and urge enterprising farmers to set aside good plots of ground of their own, thoroughly drained and made rich, and kept so throughout the period of the tests, and then sow on an aere for meadow 12 lbs. timothy, 5 lbs. Italian Grass, 5 lbs. Meadow Fescue, 4 lbs. Red Top, 3 lbs. Rough Stalk Meadow Grass, 3 lbs. Foul Meadow and 6 lbs. Medlum Clover; and for an acre of permanent pasture, as a mixture, sow 5 lbs. Kentucky Blue Grass, 5 lbs. Meadow Oat Grass, 5 lbs. Orchard Grass, 5 lbs. Meadow Grescue, 5 lbs. Rough Stalk, 2 lbs. White Clover, and I believe with these mixtures there would be success with them in the South, and that they are worthy of a trial. They are Mr. Daniel Batchelor's mixtures, who is an authority on grasses, and are more especially so mixed for his own State—New York. In my own limited experience in grass culture, I have known how grasses sustain each other growing in company, and if sown and grown alone, how soon Grasses have a social nature, and mugrass culture, I have known how grasses sustain each other growing in company, and it sown and grown alone, how soon they disappear. It is certainly a prime consideration that the ground in meadow or pasture should be wholly occupied with the most suited varieties, determined by observation, and just here comes in the inferiority of this Johnson grass, it fails to occupy the ground, and, because of this, the best condition I have ever had it in and cut at height for best hay, the aggregated amount of three mowings of it during the season is not much. the season is not much.

NORTHERN ALABAMA.
Tuscumbia, Alabama.

Testing Seeds.

Testing Seeds.

EDITOR RURAL WORLD: My method of testing seeds is this: Fill a gallon crock within an inch of the top with mellow earth; then take an old cloth twice as large as the top of the crock, spread one end over the dirt; then pour enough hot water on to saturate the cloth and moisten the earth; then concluded the seeds over the carthy. sprinkle the seeds over the cloth; turn the other end of cloth over, and fill nearly full of earth; then set under cook stove or any other warm place, three or four days; then take hold of edge of top cloth and turn it back, and you can see

Che Shepherd.

Missouri Wool Growers' Association

ident, Samuel Jewett, Independence, ; Secretary, H. V. Pugsley, Platteburg ; Treasurer, N. H. Gentry, Sedalia, Mo.

and neid their annual shearing and had their annual talk and have dispersed. As we have said in past issues this will be the most important meeting ever held by the Association; more perhaps because it is stronger and its influence more wide-spread, and the necessity of organiza-tion; strong, compact and vigilant, more and held their annual shearing and had stronger and its influence more windspread, and the necessity of organization; strong, compact and vigilant, more widely felt. The wool growers of the State will, if they consider the future well being of their business, attend almost to a man and be there prepared to hear and to tell something worth knowing. Every wool grower in the State has thought and talked over many things during the past year that ought to culminate in their discussion at this meeting, and no one thing tends more to make such meetings lively and profitable than the attendance of men choke full of something to say and clamorous to say it.

If the farmers put in an appearance in force and are anxious and determined in force and are anxious and determined in the reason of this being that as the

If the farmers put in an appearance in force and are anxious and determined to discuss matters from their own stande much more profited than if kept their experience to themselves heir mouths shut. We hope to see the convention get speedily down to busi-ness and, ignoring the long speeches and essays, devote the time to those who come there to hear and to tell some thing new.
The meetings will, we understand, be

held at the stock yard or near there, probably at the Stock Yard Hotel, which is within easy reach by street cars with all parts of the city for five cents.

ED. RUBAL WORLD: Probably a word in regard to my flock of Shropshire Down sheep, will not be amiss as I am receiving so many letters of inquiry as to their merits. They are very thrifty, hardy and industrious, and will get a fair living where some other breeds will almost starve. Their size will commend them to the farmer who wants to sell to the tance. They are, however, all alike in the farmer who wants to sell to the butcher and shipper, as they will with good keep weigh from 150 to 180 lbs. at 18 months old, and yield a grand fleece which is so dense on their bodies as to protect them when exposed to the severest storms. As mothers they are the best, usually yeaning twins, and the lambs are very strong and large. On the lbth inst., my No. 55 ewe dropped two buck lambs which weighed 20 lbs when one hour old, and she weighed 182 lbs. She was bred by Mr. J. Pickering, Alsten, England. No sheep equals them for wool and mutton. Thus further are 80 per cent. more lambs among the Shropshires than dams, while my Cotswolds have only 20 per cent. in excess of dams, and they have always been regarded as very prolific. Hogs are dying with cholera in some parts of this county to an alarming extent, many farmers losing largely out of their fattening response. to an alarming extent, many farmers losing largely out of their fattening pens.

J. Edwin Black. Lawrence Co., Ill., March 18

Shropshire Sheep.

The breeders of Shropshires have thought it due time they had a flock book of this high class of sheep. Twelve months back most of the breeders met, and formed what we call the Shropshire Greeders' Association and Flock Book Society; and now we have the first volume printed, and no trouble has been spared by the council and secretaries in having everything correct, and working up the pedigree of the first rams that were exhibited at the Royal Show. Not up the pedigree of the first rams that were exhibited at the Royal Show. Not only shall we find this book of great value to ourselves, but it will be of great assistance to our Canadian friends when they come over for a little flock of sheep, in baying them pure head.

value to our clandal friends when they come over for a little flock of sheep, in having then pure bread, and the natural having then pure bread. The three pure bread is general, or of individual flocks in particular. Their object is to secure in the flutter absolute purity of lineage in particular. Their object is to secure in the flutter absolute purity of lineage in the flutter absolute in the flutter absolute purity of lineage in particular. Their object is to secure in the flutter absolute in th

very similar, well known and equally valuable race, upon which many of the Staffordshire flocks have been established; ranged the unclosed pastures of Canneck Chase in that county. Generally speaking, no attempt was made to keep accurate flock books until the first recognition of the breed in the show yard of the Royal Agricultural Society of England, at Gloucester, in 1853, which was one to the instrumentality of Mr. W. G. Preece, of Shrewsbury, and the Hon. Robert Henry Clive, M. P., the latter of Shropshires. Founded on natural characteristics, it is to the good judgment in selection on the part of the majority of the breeders, that the Shropshires. Founded on attractive, excellence of quality, both of wood and mutton, and early maturity. At the same time they carry so large a proportion of lean meat to fat that Shropshires is seen are now largely used for crossing purposes in all parts of the world.

The exhibit of Shropshires at the Birmingham fat stock show, on Dec. 1st, 2nd, 3rd, 4th, 5th and 6th, 1883, was very strong. The average live weight of weight and quality by any other breed of sheep. If they keep on spreading as rapidly as they have of late, in a few years the white face sheep will begin to get very scarce in Kngland.

Not only in Shropshire are they kept now, but on the hills of Wales and mountains of Scotland and Ireland. They will suit any country and climate, and the butcher will always give two

and three cents per lb. more for this mutton than for the white face.

Another great point the Shropshire sheep breeders have been inquiring into, is, how different breeders keep their ewes, and the average of lambs each ewe produces.

Mo.; Treasurer, N. H. Gentry, Sedalia, Mo.

The Missouri Wool Growers' Meeting.

Before we reach our readers again the fourth annual meeting of the Missouri Wool Growers' Association will have met and held their annual shearing and had There is no doubt but it will be the largest show of Shropshire sheep ever witnessed. If any of your Canadian friends are coming over for a few sheep, they should not miss the Royal next July.

—Farmer's Advocate.

roots, the reason of this being that as the wool gets longer, or as it is more exposed to bad weather and hard treatment, nature makes it stronger to resist what it has to encounter, while the part which is next the skin remains fine to give greater warmth. Such wool, even when combed and spun into yarn, never lies smooth and evenly as true-bred wool, and is consequently not of as much value. There is another sort of wool which farmers do not seem to understand, and writers on the subject often ignore, but which is found more or less on all crossbred sheep and on sheer. posed to storms, the fibres will be rough at the points and coarser than at the roots, the reason of this being that as the writers on the subject often ignore, but which is found more or less on all crossbred sheep and on sheep which are too much exposed and are fed on hilly districts. This is known as "kemp," or dead hairs. These kemps vary in length and coarseness according to the breed of sheep. In white Highland they are about two inches long and very thick; in cross-bred Australian they are very short. In the former they cover the under side of the fleece; in the latter they are so few as not to be of any importance. They are, however, all alike in this, that they are a brilliant shining white (except on sheep with grey wool,

There are so many breeds and so much said in favor of each, that some men may delay, not knowing which to take; and others may be led to believe that some one breed is THE one, and neglect a good opportunity to purchase some other. But if a farmer will select from any flock he can find, a few wide-breasted, broad-backed, deep-bodied, not too long-legged sheep, and put a Southdown ram with them, he will not make a very great mis-take.

—In parts of Texas it is found that sheep and goat herding is more profita-ble than raising cattle or hogs. It is said ble than raising cattle or hogs. It is said if a man can not make 100 per cent. annually with sheep, after the first year or two, he is in poor luck. It costs from 30 to 50 cents a head per year to keep a sheep in Northern Texas. The wool will average \$1 per head, and the natural increase is from 75 to 90 per cent., averaging \$6 per cent.

Che Poultry Bard.



Whether upon the broad acres of the armer, upon the lawn of the suburban residence, or the restricted limits of the rillage lot, around the houses of the industrious poor, or the mansions of the rich, there is nothing that will afford as

The Industrious Hen.

"If I owned all the hens in this counout a dozen eggs and put them in a customer's basket, and had a place to pasture them in, all I would ask would be ten years in business, and I'd make it very warm for Vanderbill."

ten years in business, and I'd make it very warm for Vanderbilt."
"How's that," asked the reporter.
"How's that? Why, easy, that's how. Maybe you don't know, young man, that over 26,000,000 cackles, announcing the birth of the same number of eggs, kept the farmer boys busy every day last year gathering in the efforts of over 36,000,000 hens? But they did. Well, those efforts for 365 days resulted in 9,-600,000,000 separate and distinct eggs, or 800,000,000 dozen, as near as 1 can calculate. Now, it took just 750,000,000 dozens of these eggs to supply the demand for Tom and Jerries, puddings, hard and soft boiled eggs, egg-nogg, and ham and eggs, in this country last year, and eggs was eggs at that. I figure that thirty cents a dozen, for 1883, was about the average price. Thirty cents a dozen for 750,000,000 climbs plumb up to the comfortable little purse of \$250,000.000. There's nothing wear. plumb up to the commonante had per of \$225,000,000. There's nothing mes plumb up to the comfortable little purse nt me, if I had the handling of those rings of the nation's hens, I'd be sated with a profit of two cents on a "What would be my little divvy?

"What would be my little divy?"
Well. if I havent forgetten what old
Daboll drummed into me, I make it out
that when the old year died, I would lug,
home about \$15,000,000, clean and slick,
ahead of the game. Ten years of that,
and I think I could sit down with the
boys and stay with as heavy isok preboys and stay with as heavy a jack pot as any of 'em." "What would become of the other

fifty million dozen?" asked the reporter.
"There you are again!" replied the
marketman. "If I owned all the hens, marketman. "If I owned all the hens, there's another little item that would help me to keep from worrying about the punctuality of the rent and the infallibiltry of the gas meter. Last year must have been a good one for people visiting in the country, for folks brolled, fricassed, and roasted something like six hundred million chickens, young and old. That used up the little balance of fifty million decape eggs. That differ the same of the same of

disease, and he finds it uniformly successful. When a chicken has symptoms of roup, he shuts it up in a warm, dry, ventilated coop, sprinkled with air-slaked lime, and gives it a teaspoonful of the oil, more or less, according to the length of time the fowl has been ill, researing the does two or three times. peating the dose two or three times a day, and keeping the coop, feed-dishes, etc., absolutely clean. The fowl soon

Che Apiary

Providing Pasturage for Bees. The Indiana Farmer makes the following very sensible remarks on the sub-

ect:
Planting for honey has ceased to be an experiment, and is sure to be one of the certainties of success in modern bee-culcertainties of success in modern bee-cui-ture. Situated as we are we feel very perceptibly the several regular honey drouthts, as any lack of the nectar flow in the several regular honey-producing plants. We have not had the time or room for extensive experiments in this line, but have watched closely those made by our friends and neighbors. And we note the fact that the best and most progressive bee-keepers of America as well as those of the Old World have decided the species. ed it a success. Sweet clover, (melilot) is producing plants for planting, under all conditions and circumstances, and we noticed, even up to the middle of November, the bees working, on a few scattered flowers of this plant in protected probably at the head of all special honey

Figwort is a decided favorite and has Figwort is a decided favorite and has some advantages as it does not die out, but grows from the root year after year. Spider plant is another. J. Lammy, Bateham, Ind., says in a letter to us October 15: "The spider plant seed I got of you last spring was a decided success. It began blooming July 1. is in bloom yet, and to see the bees on it of a morning would delight the heart of any morning would delight the heart of any bee-man." In planting sweet clover we notice that sown in the fall and winter does the best, and we conclude the cold of winter to be of some benefit to the seed thus sown. A united effort of the many bee-keepers would soon produce a flora in the land of incalculable worth.

It is but a few years since anything like systematic bee culture has been at-tempted in the United States, but the tempted in the United States, but the business has an important industry, more than 35,000,000 pounds of honey being produced and sold last year. The trade is principally carried on by large capitalists, some of whom have from 2,500 to 5,000 swarms of bees. In California the bees are farmed out, that is, apiaries of 100 swarms or so are placed in the grounds of farmers, generally from three to four miles apart. The farmers receive a fixed rent or a share of mers receive a fixed rent or a share of the honey for their compensation, as may be agreed upon. On an average one acre of ground in clover is estimated to support twenty-five swarms of bees and the yield of a swarm is generally about fifty pounds of honey a year.

It is no vanity for a man to pride himself Let him who regards the loss of time ma h

future.

Brown's Bronchical Troches will relieve Bronchitis, Asthma, Catarrh, Consumptive and Throat Diseases. They are used always with good success.

To endeavor to work upon the vulgar fine sense is like attempting to hew blocks of marble with a razor.

A Thing of Beauty. The most brilliant shades possible, on all fabrics are made by the Diamond Dyes. Unequalled for brilliancy and durability. 10c. at druggist. Send 2c. for 32 Sample colors. Wells, Richardson & Co., Burlington, Vt.

An able man shows his spirit by gen and resolute actions; he is neither hot nor

Man being essentially active, must find in

30 DAYS' TRIAL

OR.

OYES.

(REFORE)

(DYES)

TURKISH BATH

Voltaic Belt Co., Marshall, Mich.

ESTABLISHMENT, 311 N. Seventh St , Between Olive and Locust. GEO. F. ADAMS, M. D., SUPT.

FOR LADIES: Monday, Thursday and Saturday mornings from 9 a. m. to 12 m.
FOR GENTLEMEN:—From 7 a. m. to 9 p. m.
excepting the above hours for ladies.
SUNDAYS:—Gents from 7 a. m. to 19 m.

A correspondent of the Country Gentle-man says castor oil is his resort whenever he finds a fowl is affected by any internal

The Most Popular Medicine Extant

Allen's Lung Balsam A REMEDY THAT WILL CURE

CONSUMPTION, COUGHS, COLDS, ASTHMA, CROUP,

All Diseases of the Throat, Lungs and Pulmonary Organs.

THE LUNG BALSAM THE LENG BALSAM Contains no Opium in any form.

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Mothers, Try it.
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Should be used at the first manifestations
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"My doctor pronounced me cured, but I got sick again, with terrible pains in my back and sides, and I got so had I Could not move!

From 227 lbs. to 120! I had been do for my liver, but it did me no good. I did not expect to live more than three months. began to use Hop Bitters. Directly my ap petite returned, my pains left me, my entir system seemed renewed as if by magic, and after using several bottles I am not only as sound as a sovereign but weigh more than I sound as a sovereign out weign more than idd before. To Hop Bitters I owe my life."
Dublin, June 6, '81. R. FITZPATRICK.
"HAPTER II.
"Malden, Mass., Feb. I, 1883. Gentlemen—
I suffered with attacks of Sick headache."

Neuralgia, female trouble, for years in the most terrible and excruciating manner.

No medicine or doctor could give me relief or cure until I used Hop Bitters. "The first bottle cured me,"

The second made me as well and strong the second made me as wen and hen a child, "And I have been so to this day. My husband was an invalid for twenty

years with a serious "Kidney, liver and urinary complaint, "Pronounced by Boston's best physicians-"Incurable!"

Seven bottles of your bitters cured him and know of the "Lives of eight persons" In my neighborhood that have been saved

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How To GET SICK.—Expose yourself day and night; eat too much without exercise; work too hard without rest; doctor all the time; take all the vile 'nostrims advertised, and then you will want to know how to get well, which is answered in three words-Take

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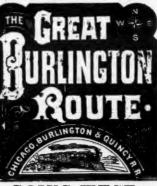


he mower, and pitch the same on the stock or vagon, in setter condition than twice the force can windrow and ook the same. It seldom gets out of regard, but if it should be set to be set to be set to be set to be without of on without it, write for price list erms and circular giving full information. ACME HAY HARVESTER CO., Mrs., Peorla, III.

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Horticultural.

[Judge Samuel Miller, Bluftton, Mo. will assist in conducting the Horticultural Depart-ment in this journal. Any inquiries addressed to him willoe promptly answered through the RURAL WORLD.]

Borer Proof and Russian Apple Trees.

Some copies of letters have been sent some copies of letters have been sent us for publication relating to the Borer Proof and Russian Apple controversy which appeared in our journal last winter. We distinctly stated then that there were no borer proof apple trees, whether budded on seedlings or not. We also said that if Russian varieties were offered for sale that the probability was said that if Russian varieties were offer-ed for sale that the probability was, they were not as good as our American varieties. We could not be more distinct than we were then in stating these points, and we cannot use our columns to open the controversy. All our space is exact-ed in matters of a practical nature and there is no use of repeating what has been clearly said before.

The Peach Curculio.

An Arkansas friend asks us, what can be done to get rid of this pest, which is becoming so destructive to the peaches—the early ones in particular? It is the same trouble here, and I know of no other plan than to make a hog pasture of the orchard for a few years after the trees begin to bear. I should not advise the use of Paris green, as it is a dangerous poison.

Mo.,

E.

ous poison.

Our remedy for plums (and the same will do for peaches, even if the curculio is not the same variety) is to smoke the trees well with coal tar; if rains occur to wash it off, smoke again, from the time the blossoms fall off, until nearly grown.

S. M.

The Daisy Strawberry.

So m: questions are asked me about this new berry, as to its promising qual-ities, that it may be as well to repeat what I may have already written for the

her fault. It is a stammate variety, and was put between the other two to fertilize them. Here are the facts, but I will not insure it to surpass many others, yet have great faith in it. The moderate price that it is offered at, no one will be burt bad if it don't do as well elsewhere as here.

as here.

It is in the hands of a dozen or more whom I presented plants a year ago d from whom reports may be expect-when the next crop is over. S. M.

Questions Answered.

all know that Gregg is immensely popular, and by many considered the best Black Cap, and yet with Mr. Riehl it is worthless. Such, however, seems to be the difference in soil and location.

Burns is among the earliest and of good quality, but not large enough for market. As to the Crystal City strawberry, it is five days the earliest, and if planted in soil not rich, the plants not allowed to meet, it is fairly productive of good sized berries of excellent quality, to my taste far superior to Crescent. don't think I recommended it for extensive cultivation, but for private use.

S. M.

missouri State Horticultural Society.

DEAR SIR: Believing that we can further the best interests of our State Society, and through it the best interests of horticulturists, by an increase of membership in every part of the State; and, believing that the horticulturists of our State would and do take enough of interest in our State Horticultural Society to become members if the matter was presented to them; and believing also state would and do take enough of interest in our State Horticultural Society to become members if the matter was presented to them; and believing also that we could better advance horticulture; if there were a horticultural society bit is made the following propositions to the horticulturists of the State.

If you organize a County Horticultural Society, and send the State Secretary a list of officers and members, with the monthly report of the State.

If you organize a County Horticultural Society, and send the State Secretary a list of officers and members, with the monthly report of the State. Horticultural Society at its meetings, their names will be enrolled as members for the year 1884, and they will be entitled to the report of the State.

Old gentlemen, whose tide of life is upon the ebb, and whose tottering footsteps are slowly carrying you towards the other side of the great river, plant a pecan grove, because it does not require the amount of care and cultivation necessary to other crops, and, if you do not lits your duty to provide, while enjoying it is plant and printed will be sent to anyone who wishes to start a local society.

The State Report is full of interest and information to everyone who is interest ed in horticulture, and some of the essent control than the market, and it will be but a short time when it will be but a short time when it will be known only to tradition. In the rate time in the lib when it will be but a short time when it will be but a sh

the sent to anyone who wishes to start a local society.

The State Report is full of interest and information to everyone who is interested in horticulture, and some of the essays are worth much more than the price of membership to every one who what I may have already written for the RURAL WORLD. From a row one hundred feet long, set out in July 1882, and allowed to run until fall, we picked in 1883, 86 quarts of large, handsome, good berries; while a row each of Manchester and Big Bob on each side with precisely the same treatment yielded each 55 quarts.

It is true the Daisy spreads herself more than the others, but that was not her fault. It is a staminate variety, and was put between the other two to fertification. Here are the facts, but I will save the fruit grower hundreds of

will save the fruit grower hundreds of dollars.

The book has essays and reports on "Orchards," "Vineyards," "Peaches," "Apples," "Small Fruits," "Ornamentals," "Flowers," "Insects," "Marketing," etc.; "Reports of Counties;" "Constitution for a Local Society;" "Secretaries' Budget" (being a collection of the best items and facts published in the best horticultural papers in the United States), and other items of interest. will save the fruit grower hundreds of

Ouestions Answered.

Friend Riehl asks why I recommend Centennial, Hoosier Mammoth and Burns raspberries, also Crystal City strawberry?

First, because Centennial is the largest and fluest of all the early Black Caps. An Eastern firm in New York has now an order for 1000 plants, who knows what he is about.

The Hoosier Mammoth is late, the largest Black Cap I have seen, productive and of excellent quality, and here is a query: Campbell says Hoosier Mammoth and Gregg are the same, and we all know that Gregg is immensely popular, and by many considered the best Black Cap, and yet with Mr. Riehl it is worthless. Such, however, seems to be the difference in soil and location.

Burns is among the earliest and of Burns is among the earliest and of excellent quality and here within to fruits at New Orleans next winter at the great exposition, and will want your help.

want your help.

We expect to send out in May for a report on the prospects of the fruit, and again in August, and on receipt of these reports we will send a circular containing the results of these inquiries. It will give us an idea of the amount of truit to be had.

Winter at the great exposition, and will until the 5th of coloring all the frosts occurred. In packing as and uncolored thus treated alw paying figures.

Remarks: It is

fresh flower upon your grave with every

recurring spring. E. T. HOLLISTER. St. Louis, March 17, 1884.

Rawles' Genet in the Front.

In the RURAL WORLD market report of March 6th, in giving the price of apples we have these words—"Genetings pre-

It is well that the merits of this old It is well that the merits of this old standard is becoming more appreciated. In the Denver market the Genets shipped from this point last fall found a most ready market and were highly praised for their size and quality. At the Mississippi Valley horticultural meeting last January, in conversation with members from Wisconsin, they stated that they were the best apples that we sent them from Missouri, and were gaining in demand over the more showy varieties. As an apple for family use, it was regarded as the most suitable.

as the most suitable.

To grow the Genet to that perfect desirable size and color, some extra labor and attention are required, though not more than any other sort of the orchard should have. The tree loves to grow in rich loamy soil—it should by no means be crowded—plenty of air and sunlight are highly necessary for the perfecting of the fruit, which should be thinned out, as the tree always overbears. Much pruning of the interior interlacing branches is requisite.

Wherever the soil requires it, cultivate and manure. A dressing of ashes and as the most suitable.

and manure. A dressing of ashes and lime gives form and size, also flavor.

It will be found beneficial to pick off the largest fruit about the middle of October, leaving the rest tolgrow a week or two longer. We have left them on thus will the 5th of November, growing and

coloring all the time, though some heavy frosts occurred.

In packing assort carefully the small and uncolored to themselves. Genets thus treated always find a market at good

defined and the second of the

thing similar on "Blackberry Culture." I am sure such an article would be highly appreciated by many an amateur fruit-grower. I keep all the numbers of the RURAL WORLD and make a memorandum of the date of all articles which specially interest me, so that I can at any time refer to them. By the way, are we never going to have another index at the end of the year, as formerly? We miss it very much as it was so convenient for reference.

Of course we can't expect everything for only a dollar a year, but I would rather pay an extra price and have the index. Respectfully,

MRS. L. F. HASKINS.

REFLY.—We extend an invitation to our Blackberry friends to comply with the wishes of our correspondent. We expect to have an index hereafter, so that it will be easy to refer to any article published during the year.

Missouri State Horticultural Society.

Missouri State Horticultural Society.

after they commence to bear, every year adds to the quantity of their yield; they sadd to be ar crop, and the oldest inhabitant has never yet known one of them to die, if fairly treated.

Some of us remember the time when the Pecan tree was as abundant upon the bottom lands in Illinois and Missouri, as any other variety, but now they have a siender, with no side branches. 4. If us a windy region, prune heaviest on the side opposite the prevaling winds. In most cases, I have seen ill results follow a windy region, prune heaviest on the side opposite the prevaling winds. In most cases, I have seen ill results of on the lower branches than on the intervience of the end of the prevalence of the side opposite the prevaling winds. In most cases, I have seen ill results of on the lower branches and on the lower branches are treatise on pruning before one can prune an orchard properly. The most successful apple-growers I have known and s

prepared as early as possible in the spring, it is well to look after as much of the preliminary work as possible now. If manure is to be applied it should be done now so that the frost, rains, and melting snow many thorsely. may thoroughly pulverize and leach its fertilizing properties into the soil, which when thus treated is ready to impart nourishment to seed as soon as planted. Have your plans all arranged and your seed ready so that no unnecessary delay may occur while deciding what to do and how you will do it. how you will do it.

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300 bushels of the Early Amber and 25 bushels of Early Hybrid for sale. The Hybrid seed has been tested two years and has proved to be from 10 days to two weeks earlier than the Amber. Price for Hybrid 20 cts per pound. Amber, strictly pure, and weighs 50 hs. per bu., 60 per lb. or \$4.00 per bush. C. J. REYNOLDS, Corning, New York.

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two longer. We have left them on thus until the 5th of November, growing and coloring all the time, though some heavy frosts occurred. Ripened perfectly and saved with great care over 300 bushels (31), Sack (32) bush, Si (32) Ripened perfectly and saved with great care ver 300 bushels (\$1), Sack (\$2) bush, \$3; (2) sacks, \$5. 50 lbs. bush. Address, J. S. ALTER, Genda, Sumner Co., Kan.

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embraces every desirable Novelty of the season, as well as all standard kinds. A special feature for 1884 is, that you can for \$5.00 select Seeds or Flants to that value from their Catalogue, and have included. To the select Seeds or Flants to that value from their Catalogue, and have included. To Topics, a work of 230 pages, handsomely bound in cloth, and containing a steel portrait of the author. The price of the book alone is \$1.50. Catalogue of Everything for the Garden," giving details, free on application.

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CLOVER AND GRASS SEEDS,

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All my Seed is warranted to be fresh and true to name, so far that should it prove otherwise, I agree to refill orders gratis.

A large part of the great collection of Seed I offer is of my own growing. As the original introducer of Eelipse Beet, Burbank Fotatoes, Marbiehead Early Corn, the Hubbard Squash, and secres of other new Vegetables, I invite the patronage of the public. In the gardens and on the farms of those who plant my seed will be found my best advertisement. Catalogues FREE to all. AMES J. M. GREGORY, SEED GROWER, MARBLEHEAD, MASS.

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Kenny's 6th Annual Circular Minn. Amber Sugar Cane, With instructions about seed growing and manufacturing the crop; price of pure seed, &c., &c. Address SETH H. KENNY, Morristown, Rice Co., Minn

A GOOD BARGAIN is Offered in the SUCAR FACTORY At Kinsley, Edwards Co., Kansas. A ddress J. BENNYWORTH.

SILK CULTURE. Complete instructions for raising the Silk Worm in the Western States, with practical directions for managing a co-coonery. Price, \$1.00, mailed postpaid on receipt of price. Address Mrs. M. J. HAMMACK, Pinckneyville, Perry Co., Ill. Mention this paper.

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NEW CHOICE VARIETIES OF SEED POTATOES Secialty. Twenty-five kinds. Will not lundersold. Satisfaction guaranteed. Send postal, with full address, for prices. BEN. F. HOOVER, Galesburg, Illinois.



EARLY Amber sugar cane, says ames J. H. Gregory of Marbiehead, ooseesses several important advantages wer Indian corn, as a fodder plant.

either when fed young and soft o

COLMAN'S RURAL WORLD

THIRTY-SIXTH YEAR. BY NORMAN J. COLMAN of cattle.

PUBLISHED WEEKLY AT \$1 50 PER YEAR: OR EIGHT MONTHS \$1 00.

ADVERTISING. 40 cents per line of agate

Address NORMAN J. COLMAN, Publisher 600 Olive Street, St. Louis, Mo.

(Advertisers will find the RURAL WORLD on of the best advertising mediums of its class in the country. This is the uniform testimony of all who have given it a trial. Many of our largest advertising patrons have used it for more than a quarter of a century, which is the highest possible recommendation of its value

ADDRESSES.

Norman J. Colman has accepted invitations to deliver addresses at the following places and times:

Belleville, Ills., Saturday, March 20th, on the Feasibility of Creameries in St. Clair County. SEDALIA, Mo., Wednesday, April 2nd, before the Missouri Shorthorn Breeders Association on Breeding Practical Short

KANSAS CITY, Mo., Thursday, April I, before the Missouri Wool Growers

SPRINGFIELD, Mo., April 4th, Practicability of Creameries in Missouri. ROLLA, Mo., April 5th, on Missouri as Adapted to the Dairy and Creamery

FAYETTE, Mo., April 12th, Missouri s Adapted to the Creamery Industry. JACKSON, TENN., May 9th, before the West Tennessee Hortfcultural Society on 'Sorghom Culture—Tennessee Can and Should Produce Her Own Sirup and

AGRICULTURAL COLLEGE, Mississippi, May 18th, Annual Address at Comme ment Exercises of College.
OMAHA, Nebraska, Sep. 5th, A.
Address at the Nebraska State Fair.

WILL some reader of the RURAL WORLD tell me the best way to clear a corn field of corn stalks, to prepare it for plowing? I am a young farmer and don't know the best way to do it.

It is not difficult to make two farms out of one. The way to do it is to double its capacity—double its products. Good tile drainage is indispensable, good manuring, proper rotation of crops, plenty of grass and stock. Most of the farmers in the country could have their products doubled by a better system of farming—but under draining on process. farming—but under draining, on most farms, is indispensable to develope their greatest capacity.

THE bill which has been introduced in both houses of Congress to make the of-fice of Commissioner of Agriculture, Secretary of Agriculture with all the rights and privileges of other cabinet of-ficers, ought to become a law. Agricul-ture is the foundation of our country's prosperity. Every interest, every hope is dependent upon it. So important an prosperity. Every interest, every hope is dependent upon it. So important an interest deserves representation in the highest sphere of our government. Give it a cabinet position.

As the RURAL predicted several As the Rural predicted several months ago, the potato yield was so large last year that this spring would with a least 3° warmer. Water standing on the earth or the soil water-soaked in the Spring requires a vast fall, if not lower. Our predictions were strictly correct as the sequel showed. Choice eating potatoes. Peerless, Rose, etc., can be had at 40 to 45 cents per bushel. Some choice eastern lots adapted for seeding purposes are a tride high. ed for seeding purposes are a trifle high-er, and dealers inform us there is an un-usually heavy demand for them.

The Brownsville Herald of March 21st says: In this week's issue we present our readers a condensed report of the creamery meeting at this place on Saturday, the 15th. Our creamery was erected by J. J. Smith, a contractor and builder of creameries, late of Lincoln, Neb., but now a citizen of Brownsville. Neb., but now a citizen of Brownsyille. It has cost our citizens, exclusive of loca-It has cost our citizens, exclusive of location and water, thirty-eight hundred dollars, and has a daily capacity of 2,400 pounds. It is second to none in the State. Mr. Smith has fulfilled his contract to the letter, giving us an excellent building, and our people will cheerfully recommend him to other places or parties contemplating the erection of similar institutions.

POTATOES, oats, onions, cabbages. turnips, carrots, lettuce and all seeds hardy plants should be put into the ground as speedily as possible. Spring is late and there should be no delay. The early crops, if well put in, give the largest yield. It does not pay to put in any crop in a poor manner. The plowing and havenwire should be well does not pay to put in any crop in a poor manner. any crop in a poor manner. The plowing and harrowing should be well done. A soft, mellow seed bed should be provided, for the seed have to die and be resurrected into a new life and new plant, and to bring all this about the proper conditions, should be compiled. proper conditions should be complied with, so that the new plant may start off with vigor of growth, and not be starved or stunted as it would be in a hard, barren soil.

FARMERS should bear in mind this is the season of tree planting. What a wise provision of nature that trees can safely be dug from where they have grown and be removed to our homes to adorn them and give shade and shelter to man and beast. Once planted they are a part of the homestead, to remain are a part of the homestead, to remain there forever. A home without trees is the abouse without wife or children, like a house without wife or children, lonely and decolate. Improve home, make it more attractive, more valuable with the choicest matter by planting trees now—even if you have to go to the woods for them. Any kind of tree is a thousand times better than no tree at all. If cedar and pine grow in your vicinity, go on a moist day and dig them 2 or 3 feet high, and carefully plant them about the house to look bright and inviting in winter. Plant them about the house to look bright and inviting in winter. Plant them about the house to look or an get.

Assafras, linn, any kind you can make the state Agricultural College of Michigan, on their farm with sowing land by all those who have the best interests of the country at heart. Collman's Rukal World was established in 1848. For thirty-seven years it has been filled with the choicest matter in regard to agriculture, horticulture and pomology. It has ever been the farmer's much increase as twenty loads of horse much increase as twenty lo

NO READER of the RURAL WORLD has the least excuse for neglecting the sale of Holstein cattle to be made by J. W. Stillwell & Co., at their farm, Troy, O. on Wednesday next, the 2nd of April. In the sale will be found eighty-five head of cattle, as enumerated in the advertisment, and on the farm may be found 300 others, any or all of which may, be

purchased at private sale.

There may be found animals of all There may be found animals of all ages and of both sexes for sale. Also the \$5000 son of Mercedes, the cow that died last week in calving, after making a record of 90 lbs., 61-2 oz., of butter in 30 days, to that date the biggest record by any animal of any herd in the world. J. W. Stillwell and Co's farm will be found within a mile of the farm will be found within a mile of the depot, with good side-walks and transportation all the way, and the firm be found one of the most enterprising engaged in the importation and breeding of Holstein eattle in this constraint.

ountry.

By all means should those who conemplate the creamery business,
thether in this or adajoent States. the n this frend his sale, see the cattle, and f possible bring some home with hem. If "there is a tide in the affective to the sale of the floor." fairs of men which taken at the flood leads on to fortune' now is the time to take the step, or, leave it neglected and forever afterwards lament and regret the

INVITATION TO SPEAK AT SPRINGFIELD,

GOV. N. J. COLMAN: I have been consulting with Maj. J. C. Cravens and others, about trying to get you to address our people on the 4th of April, in the Court House, on the subject of the "Creamery System of Butter Making."
We see hy your paper, that you speak at We see by your paper, that you speak Sedalia on April 2nd, Kansas City, April 3rd; Rolla, April 5th. Now, if it will not be taxing your physical system too much, we would be glad to have you come by Springfield, on your way to Rolla, and address our farmers on April 4th.

4th.

There is a rapidly growing interest felt here in the Dairy industry. Many are tired of wheat raising, and are ready to embark in the dairy business. They do not fully understand the method of conducting creameries, and desire to hear om you on that subject, and on the from you on that subject, and on the practicability of adopting them in Missouri. You will have a large and appreciative audience.

Hoping that you will comply with our wishes, and be present, I am, very truly, Your friend, A. W. McPherson.

Springfield, Mo.

Springfield, Mo. REPLY .- By the time tables we see that it is possible to be with you April The Practicability of the Creamery System of Dairying in Missouri."

We are confident the sorghum ghum. growers in the North can invest their oney in no other way that will pay half as well as in tile draining the fields in which sorghum is raised. Lately a convention has been held in Iowa to en-Lately a ourage tile drainage, and we give some of the reasons given why every farm should be underdrained:

1. Because it will make our, soil and

the fall. If the soil is drained, the first warm sun rays remove the frost from the ground, and the soil is ready for the farmer. One underdrain is worth a It will surprise a number of our readers engaged in the culture of fruits, vegetables, etc., for a livelihood, where competition sometimes springs from—so far off as to be wholly unexpected. New Mexico is shipping cabbage by the cardinate of this city at present. It is billed from Albuquerque, and the rates, regular freight, \$325 per car, and in transit 19 days. There are 80 crates in each car, 250 and so the each crate. The heads hounds net in the next.

Col. Col.Man: I have been waiting anxiously for the published proceedings of the Mississippi Valley Cane Growers have a larger crops. Safe of the weeds, and the farmer has a whole se The failure of the early southern crop which should be coming now freely, ensured the human family and domestic animals. April. Can you tell us what is causing the delay?

Sorgo Growers. The cost of sickness and loss of time, and.

Ent.

The failure of the early southern crop which should be coming now freely, ensured the human family and domestic animals. April. Can you tell us what is causing the delay?

Sorgo Growers. There are but few hogs to go to market before June, and the commencing sorgers to find a tits late meeting decided upon the followmarks there at present of the human family and domestic animals. The balk of the corn has gone to market before on scarce. There are but few hogs to go to market before June, and the commencing sorgers to find a tits late meeting decided upon the followmarks there at present of the human family and domestic animals.

The failure of the early southern crop which should be coming now freely, ensured to the human family and domestic animals.

April. Can you tell us what is causing diction. The bulk of the corn has gone to market been corn scarce. There are but few hogs to go to market before June, and the commencing sorgers and loss of time, and the corn has gone to the little sown—what there is, is in b ad condition. The bulk of the corn has gone to the little sown—what there is, is in b ad condition. The bulk of the corn has gone to the little sown—what there is, is in b ad condition. The bulk of the corn has gone to mouth disease among the English hereis: "I think no one can find fault with means and the little sown—what there is, is in b ad condition. The bulk of the corn has gone to the little sown—what there is, is in b ad condition. The bulk of the corn has gone to the little sown—what there is, is in b ad condition. The bulk of the corn has gone to the little sown—what there is, is in b ad condition. The bulk of the corn has gone to the little sown—what there is, is in b ad condition. The bulk of the corn has gone to the little sown—what there is, is in bal docn

that place by the latter named gentleman, but as this report occupies over two columns of that journal, it is too lengthy to be copied. The people of Brownsville and vicinity are proud of their new creamery, and expect to make a great success of it.

It is now a well-known fact that sa good greas country surrounds Browns. ville as the sun shines upon, and if the farmers want to keep cows and produce milk, they can do it as well as any farmers anywhere in the world. The first year it is rather an up-hill business to enter into any new undertaking, but the production of milk, or rather cream, can be made profitable from the start, but world more than the start, but world more than the start, but surface.

I moisture. A western experimenter in this direction gives this summary of his lands in Missouri, but this direction gives this summary of his lands in Missouri, but this there are no homestead lands in the State. We cannot tell you to whom to write, but publish your address so that anyone having information can give it to you. There is a good deal of cheap land in Missouri where the pine has been cut off that answers well for grazing. e profitable the better one pre- surface.

LEXINGTON CREAMERY.

In this issue is presented a front view of the creamery building being erected at Lexington, Mo., by J. J. Smith, the bullder of creameries count of the great rush of business, r. Smith has lately associated with m several other practical and experlenced men, under the firm name of Missouri Creamery Building Association, with headquarters at Brownsville, Saline Co., Mo. They will devote their entire time and attention to the building, equipping and starting of creameries, either for private parties, or on the copperative plan, in Missouri and adjoing States. Arrangements will be com-leted within a few weeks with responmmission merchants in a fey orand will be adopted, but will be used in the following manner; The brand will be used the following manner; The brand will be furnished the commission merchants who handle the product. If, in their judgment, the butter comes up to such a certain standard that will warrant the use of the brand, it will be placed thereon, otherwise not, thereby preventing a on, otherwise not, thereby preventing a poor article being placed on the market ander this brand, and also prevents a and also prevents a om other creameries, bearing the same orand, as is usually the case themselves. They also are prepared to, and do furnish competent butter-mak-ers, and insure to their creameries any and all of the facilities and advantages claimed by other organizations or firms, besides quite a saving of expense in

The buildings they erect are complete and substantial structures, containing following rooms and apartments, conveniently arranged: cream-room, churnroom, butter-working-room, office, storroom, outler-working-room, refrigerating-room, cooling-room, refrigerating-room, wash-room, engine and boiler room, fuel-room, and ice house. The building is constructed with 3 air chambers in outside walls, double doors and windows sittle was the town and the control of the windows; fitted up with steam and cold water coils for heating and cooling building; steam pipes, water pipes, steam jets, etc., and following is a par-tial list of machinery and fixtures used in their large plan: Two 300-gallon power churns; three 400 or four 300-gallon cream vats: 35 patent refrigerating haulcream vats; 35 patent retrigerating nauling cans; power butter worker; scales; cold and hot water and washing tanks; force pump in well; cream palls; thermometer; tryer; all necessary shafting; belts; pulleys; hangers, etc., office furniture, and books; 10 horse boller and engine; and all small articles needed in the busi-

While this association is prepared to 4th, and you can say that we will be build as extensive and expensive creampresent, and give your people a talk on "The Practicability of the Creamery creameries, claiming that, like any other usiness, it should be made to pay divi-

> \$2,500 to \$3,500 will erect and equip suitable buildings to work up the product of the territory tributary to it, and uitable buildings to work up the pro-luct of the territory tributary to it, and eave a sufficient working capital. This ssociation will vary the standard. association will vary the size and price of creameries to meet the demands of any

Address, Missouri Creamery Building Association, Brownsville, Mo.

R. M. BELL from Southwest Missour! in a private note to us says: "Not so thundering cold down here as the typo made me say—40° to 50° below zero!! Whew!!! Whew!!! Mad!!!—4° to 5°

THE BROWNSVILLE CREAMERY.

The Brownsville Herald gives a report of the addresses made by the editor of Rural World and Mr. J. J. Smith at the inauguration of the creamery creeted at that please by the letter reproduced b

As good grass country surrounds Browns-ville as the sun shines upon, and if the

Che Cattle Pard.

chopped short, fully grown. The Amber cane is much plumper and more juley than corn-stalks, remaining plump and juley later in the season, while cattle eat it up clean. ouri Wool Growers' Association, whose an nual meeting takes place this year at Kansas City on the evening of Wednesday, April 2nd and the shearing on the 3rd, writes us BEET-SUGAR making is to be revived in England. The present agricultural depression in Great Britain specially in-vites any new industry which offers a reasonable chance of profit. About that he has received the following railroad rates. The Missouri Pacific and Wabash allway will sell excursion tickets to those lesiring to attend the Missouri Wool Grow-rs' meeting and shearing from Sedalla, Mo erly, Nevada and intermediate stations at one-half the 1,090,000 tons of sugar con-1-8 fare. Tickets to be sold April 2-4 good to turn on or before April 5th

sumed in the United Kingdom last year, was made from beets in Continental Europe. American farmers will watch this experiment with interest. It is estimated that there are now 153, ginning of next harvest would not exceed 30,000,000, even supposing the exports between now and then should be limited to the present stocks of flour. This is not a heavy load to carry.

ssociation of creameries use the brand Lotes-Correspondence.

-Please say to "E. H. K." of Texas, and "J L." of Ills., that I have Mill and Pan for sale, as my buildings were totally wrecked by a cyclone last Aug. Yours respectfully, M. L. Sawyer, Viola, Minn.

-Will you or some one please tell me how to plant willows? It is time to plant them now, so please answer in next week's RURAL. Must the cuttings be of last year's growth? -Subscriber Cuttings of about a foot in ength stuck deep in any moist soil, or planted in cultivated ground will grow well with wood one or two years old.

-Has the foot and mouth disease ever been disease to this country, and a most greadful one.—R. H., Adair Co., Mo.....REPLY.—The foot and mouth disease was once introduced into the United States from Canada, and it has been several times brought into this country from Great Britain—but it was country from Great Britain—but it was seen several times brought into this country from Great Britain—but it was considered and send their members nome with something worth remembering. We have not less than five hundred men in this State breeding Shorthorn cattle, and ought at least to have an attendance of half that number at the annual meeting. Come, disease to this country, and a most dreadful

-Do you know of any responsible Company that insures the lives of stock? By answering rough your journal, you will greatly oblige T.....REPLY.—We do not know of any Company that insures the lives of stock, undends on no more capital stock than is less it be against fire, tornadoes, etc., and TILE DRAINAGE.

In our address before the New York
Cane Growers's Association we urged the importance of tile drainage for sorphum. We are consident the sorphum.

We are consident the sorphum to make the importance of tile drainage for sorphum. We are consident the sorphum to make the importance of tile drainage for sorphum.

Gends on no more capital stock than is such insurance does not amount to much. If any one-iknows of a responsible Live Stock than is such insurance does not amount to much. If any one-iknows of a responsible Live Stock than is such insurance does not amount to much. If any one-iknows of a responsible Live Stock than is such insurance does not amount to much. If any one-iknows of a responsible Live Stock than is such insurance does not amount to much. If any one-iknows of a responsible Live Stock than is such insurance does not amount to much. If any one-iknows of a responsible Live Stock than is such insurance does not amount to much. If any one-iknows of a responsible Live Stock than is such insurance does not amount to much. If any one-iknows of a responsible Live Stock than is such insurance does not amount to much. If any one-iknows of a responsible Live Stock than is such insurance does not amount to much. If any one-iknows of a responsible Live Stock than is such insurance does not amount to much. If any one-iknows of a responsible Live Stock than is such insurance does not amount to much. If any one-iknows of a responsible Live Stock than is such insurance does not amount to much. If any one-iknows of a responsible Live Stock than is such insurance does not amount to much. If any one-iknows of a responsible Live Stock than is such insurance does not amount to much. If any one-iknows of a responsible Live Stock than is such insurance does not amount to much. If any one-iknows of a responsible Live Stock than is such insurance does not amount to much. If any one-iknows of a responsible Live Stock than is such insurance does not amount to much. If any one-iknows of a responsible Live S

-1 want to sow ten acres of barley this

prevalence and spread of hog cholera in Missouri and elsewhere, it is a reminder that Dr. George W. Hoffman, Indianapolis, Ind., timely cautions farmers and breeders "not to neglect their hogs and poultry." He is prepared to furnish a Hog Cholera Remedy and Preventive and solicit orders for his in valuable preparation. Dr. Hoffman properly urges the great importance of immediate efforts to promptly stop or prevent the conta gion, thereby avoiding undue expense, wo ry and extra labor, and ultimately total ss. He claims that by the use of his Rembad a name. He is never happy unless edy, hogs can be kept free of disease, in the is getting some editor or correspondent into trouble. He makes it cold for with a saving of feed. Send for descriptive circular, or order as above, but do not neglect your hogs. See advertisement

From Piatt County, III.

EDITOR RURAL WORLD: The weather plowed for oats last fall, than usual. There will be a large acreage sown this spring. Farm teams in good condition, and the farmers ready to go to work .- R. B. H.

Homestead Lands in Missouri.

omestead? 2nd. Who can I write to for information

about public lands in Southern Missouri?
3rd. Has there been any reduction in prices
of vacant lands from the first fixed price? W. S. CARTER. Rothville, Chariton Co., Mo.

Rothville, Chariton Co., Mo.
Reply: We are not posted about public lands in Missouri, but think there are no homestead lands in the State. We cannot

H. V. Pugsley, the Secretary of the Mis

eturn on or before Adril 5th.

Sheep will also be shipped via Hannibal and

st. Joe railways by express at reduced rates.

There ought to be a grand good meeting of all who are engaged in the wool growing business in this State, and we hope to see at

Messrs. Geary Brothers and Geo. Whitfield, and it will be as good an investment as you to take place at Kansas City, April 15, 16 and IT, will be in every respect noteworthy. Few if any such offerings of the respective form me about the horse Rice Graves. said eeds represented have ever been made at single sale, all being high bred animals, and individually good ones. It will include Polled Angus and Shorthorns, with the addi-tion of 17 head of Galloways, the property of Mr. Whitfield. Among the Aberdeen-Angus will be worthy representatives of the Ericas, Prides, Blackbirds, Tillyfour Queens and in fact all the leading families of the breed. Messrs. Geary write us: "We have ten grade calves, dropped this spring, every one The annual meeting of the Missouri Short

horn Breeders' Association will come off at Sedalia, Mo., on the 2nd and 3rd of April, and can you recommend it? How is it as to quality? S. T., Osage Co., Mo.....REFLY.—Quality is said to be very poor indeed. From what we have heard in regard to it, we cannot recommend it. doubtless prove a very interesting meeting. Every breeder in the State indeed ought to be present, and be there charged with however, may be found lots of work and oom for much matured thought and debat ereon, and this, we hope to see at the forth coming meeting.

Heretofore we are free to admit the meet

ings have been crude and comparatively profitiess, but that is more the fault of the breeders of the State than of the Association. We must have the best thoughts of the best men, carefully prepared, tersely put, and logically discussed; then will our Shorthorn in this country before. It seems to be a new disease to this country, and a most dreadful onto, and send their members home with

Are there any other of our domestic ani-mals that will take the foot and mouth dis-ease. Will horses take it? Please answer through Rural World and oblige, SUBSCRIBER

REPLY.—Horses do not take the disease but sheep and swine take it, and spread it, and should be quarantined as thoroughly as cattle.

-The symptoms of the foot and mouth dis ease are blisters in the mouth, on the tongue spring, but do not know where to obtain lips and gums, the nose, on the feet around spring barley for seed. Can any of the Rural the top of the hoof and between the claws. World readers tell me where I can get the In cows blisters are found on the udder and save a sufficient working capital. This seed the price, and how many bushels to sow tests. These blisters result in open sores, to the acre? Ira Wall, Arrow Rock, Mo..... which in course of time heal up and form Remarks.—Unless you have a special use for Cheaper creameries and more economy to be baley, we would recommend outs into acre. The animals lose their appetite and conducting them, is what the people stead for this State, as we fear spring barley tom is shivering, and the escape of salivations of the same of t the barrier, we want recommend and the barrier in conducting them, is what the people need.

We invite correspondence from all places or parties contemplating the erection of a creamery in Missouri and adjoining States, and will take pleasure in giving information.

Living information and any states are commended as in the barrier in the barrier in the barrier in the barrier in the same quantity of barriery per acre, that you do wheat.

Living information in the disease manifests itself. The animals stand uncomfortably and jerk their limbs together suddenly; and in milen-cows the milk dries up. When the mouth becomes affected, yellowish. denly; and in milch-cows the milk dries up. When the mouth becomes affected, yellowish white blisters appear, in size from a grain of mustard to a pea or nut, are irregular in form and may be scattered or confinent. At first they are grey, afterwards white, and when torn open present a bright red sore called erosines. Under favorable conditions, suc as care, proper food and ventilation, the discusse is less fatal than many others.—Ex

Foot and Mouth Disease-The English Lose \$5,000,000 Annually By it—200,000 Animals Attacked Last Year.

WASHINGTON, March 22.-The recent

break of the foot and mouth disease in Kan

sas, Missouri and other Western States, and the danger of its spreading through the entire country gives additional interest to the statements received by the State Department re- | Chief was among the fastest of them. His garding the ravages of this disease in Eng- opportunities in the stud have been very The consumption land. Vice-Consul Tanner of Leige Verviers lin A horse with the thrush should be kept ing the class of the corn scarce. There are but few hogs to go to market before June, and looking for the publication for sometime.

Mr. Field undertook the publication and the publication and the supply will be light them. Stock cattle scarce and commanding high prices. Farmer since the supply will be light them. Stock cattle scarce and commanding high prices. Farmer since the five hogs to go to market before June, and the supply will be light them. Stock cattle scarce and commanding high prices. Farmer since the five hogs to go to market before June, and think no one can find rault with me in placing them to have a find rault with me in placing the find rault with me in placing them to have a find rault with me in placing them to have a find rault with me in placing the find rault with me that the disease was imported, some say from
the United States, others from France, in 1880.

The Trith States, others from France, in 1880.

The States, others from France, behalf of the United States I will take it upon Four and under five years 500 myself to assert, and I can prove the assertion, that the foot and mouth disease, that now rages to such an extent in England, ex-Col. Colman: Will you please state in the Rural World list, whether their are any public lands in Osage Co., Mo., subject to ease originated near London, and mas spread to a greater or less extent, in thirty-two Eng-lish and five Welsh counties, as well as into certain portions of Scotland and Ireland, so that in one week the number of farms infected with fresh outbreaks, and the number of in the past year, has been those of farmers, though he adds that the condition of the stock esources of England has been considerably resources of England has been considerably ameliorated by the "American craze for English cattle," paying as much for one bull as would buy a herd of American cattle, which would be as fine as the English cattle if the would be as fine as the English cattle if the process. The existing causes are similar to folded in 1833, and but few horses escape it. We then dams were in the prime of life, and their physical powers in a healthy, vigorous condition. The Charles Kent mare was process. The existing causes are similar to can give it to your.

As I have seen nothing in the RURAL

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Construction from the total process. The existing causes are shaded as process. The existing causes are shaded with thirty-six representatives in the best print, and is usually seen in cold, damp weather. The first symptoms presented are four years preceding this. Regarding the slight fever, the mouth is hot and dry, the shaded are four years preceding this. Regarding the slight fever, the mouth is hot and dry, the shaded are four years preceding this. Regarding the slight fever, the mouth is hot and dry, the shaded are four years preceding this. Regarding the slight fever, the mouth is hot and dry, the shaded are four years preceding the shaded are four years process. The existing causes are shaded are four years process. The existing causes are shaded are four years process. The existing causes are shaded are four years preceding the shaded are four years preceding the shaded are four years preceding the process. The existing causes are shaded are four years preceded as the first years are shaded are four years preceding the shaded are four years preceding the process. The existing causes are shaded are four years preceded as the process. The existing causes are shaded are four years preceded are four From Lawrence to, ins.

A New phosphate material under the name of Aves guano has lately been imported into Germany from the Aves guano has lately been imported into Germany from the Aves guano has enlarged his Rufal World. For a long time we have wanted to pay the World a compliment; now in our humble way we will of it. In our opinion it is the best agricultural weekly published in the valley of the Missispip. It should be in the halfs. The carly part of the winter and 9.25 per cent. of organic matter and 9.25 per cent. of lying on the surface; while that on high rolling land is looking dead. Should the weather be unfavorable there will not be over a har if crop. Stock that has been properly housed manures that have been used upon an im-p verished soil are the principal factors in generating and propagating the various dis-cases with which the European herds are af-

> Save Your animals much suffering from accidents, cuts and open sores, by using Stewart's Healing Powder.

flicted."-Post - Dispatch.

The Horseman.

Tips and Toe Weights

Jas. Cairn Simpson of San Francisco, California, has just published a book by above title which is almost worth its weight in gold to every horseman. He does not believe in the rigid, unyielding iron shoe that gives no play or expansion to the horses foot. He has found that shoes are unnecessary, and everybody knows they are hurtful. He is a believer in the use of iron or steel tips to protect the toe of the foot. By their use, and that for ordinary use even on macadamised roads tips are all that are required; that that fearful cause of lam hat fearful cause of lameness, contract sentirely avoided by the use of tips. do it in the manner he recommends. Send
The sale announced in another column, of \$1.50 to him and he will send you the book

> orm me about the horse Rice Graves, said to be raised by Jilson Johnson, of Kentucky his pedigree, and whether he has any coltant amount to anything?

Sheboygan Falls, Wis.

COL. COLMAN: Mr. C. F. Clark has just reurned from Kentucky with two very fine tallions. "Moss Rose," the saddle horse, even years old this spring, and a world of beater, "Charlie Ross," sired by Smuggleris a four-year-old, 16 hands, and a beauty, will stand them at his farm, ten miles west of Mexico, Mo. Mr. Clark expects to have 100 extra good mares of his own, which will be bred to these two horses. Such stock as the bove will prove quite an addition to Audrain County and the surrounding country, for the ing of which Mr. Clark deserves much

You will hear from me again, with more ones to add as subscribers to the RURAL R. CALLAWAY. WORLD.

Eastern Illinois Circuit.

Please announce in the RULAL WORLD, that trotting circuit, by the above name, has en forn ed, with dates and places as follows een formed, with dates and places as follows Paris, Ills., July 24th, 25th, and 28th. harleston, Ills., July 30th, 31st, and Augus 1st. Shelbyville, Ills., July 6th, 7th, 8th and 9th. Sullivan, Ills., July 13th, 14th, 15th and We hope some of the St. Louis horse

will put in an appearance with their horses, as this is convenient to them, and the meetings are on a straight line, and easily reached

A New Cure for Worms in Horses.

COL. COLMAN: In the RURAL WORLD of the 6th inst. I note an inquiry for the cure of worms in horses. A good many of the colts on the place were troubled with worms last fall, and in the fore part of winter, and I tried a very simple remedy, which I have never seen recommended, but which has worked with admirable success. I got a lot of cotton wood sticks, from 4 to six feet long, and of varying thickness, and scattered them through the colts' paddocks. They soon be-gan to peel off the bark and seemed to relish it. Soon a copious discharge of worms proved its efficacy. I had heard that an ina constant supply of these cotton-wood sticks not only among the yearlings, but the older colts, brood mares and aged horses, and it has worked like a charm in every case-acting as a tonic and preventive as well as a cure. I have tried a great many remedies for worms, but have found none as cheap,

C. H. NELLIGAN, Sup't Artesian Stock Farm Prairie-du-chien, Wis., March 20, 1884.

Clark Chief Blood in the Trotter.

simple, easy of application and so efficacion ce give you the information for the

enefit of horseman. Respectfully,

The Spirit of the Times, in speaking of the coming sale of Peter C. Kellogg & Co., and of the horses offered, says: "Among the stalons we find Confederate Chief, by Clark Chief, a fast horse and a full brother to Woodford Chief, 2:22¼ at 5 years old. Clark Chief's blood is found in Phallas, 2:15¼; Wilson, 2:16¼; Majolica, 2:17; Croxie, 2:19¼, and Tony Newell, 2:191/4. Nothing in the Mambrino Chief family makes a better showing than the Clark Chief branch. There are few entire sons of Clark Chief, and Confederate ited. He she

-The Illinois State Board of Agriculture in Strasburg

Total.....\$4,500 Strangles, or Distemper.

Strangles is a disease peculiar to the horse says the Spi-it of the Farm, occurring mostly in young animals from two to five years old. It may be defined a catarrhal affection, accompanied by a specific affection of the cel-lular membrane of the throat, tending to the formation of abscess, with slight fever. It is contagious, and but few horses escape it. We

implicated the breathing is affected, the tains a standing position, pain is evinced by nd auscultation or percussion affords con-lusive evidence. If forming in the bowels or nesenteric glands, colicky pains are frequent, e looks wistfully to his flank, in the stable ne lies down most of the time, and at work

ne is languid and easily sweated.

No attempt should be made to drive it back; like all eruptive fevers, it must run its course, and cannot be checked without danger. The animal should be in a comfortable well ventilated, loose box stall; the bowels oats, barley or fresh grass, and if necessary an occasional injection of tepid water; clothe the body and handage the legs hot for nentation and poultices should be applied to the throat, to encourage suppuration.

Brall doses of the nitrate of potash should be given twice or three times a day. If there is any tendency to suffocation, inhalat water vapors will very often afford re but if they fail to do so, tracheatomy should be performed; that is, to make a free incision into the windpipe and introducing a ube, allowing it to remain until the abo matures and the pressure removed is edges of the skin brought together by a suture and treated as a common wound. Re covery will be expedited by generous diet

The irregular form must be treated on the same principle, being guided by the symp

-Of all domestic animals the horse stands pre-eminently at the head. For symmetry of form, beauty and intelligence, he is superior to all others. His endurance is remarkable. His services to the agriculturist are indispens sable. No animal is cleaner in its habits, obeys with greater alacrity, or acknowledges kind and humane treatment quicker than the norse. This noble animal is the admiration of all, and a just pride is felt by every owner of a good horse. Many thought with the building of so many railroads that there would be little or no demand for horses Such, however, has not proved to be the fact Prices are higher to-day than a quarter of a century ago. Nearly all the labor upon the farm is now performed by horse-power. The pening up to settlement such a vast territo ry west of the Mississippi, has caused an inpreasing demand for horses suitable for agri-cultural pursuits. The great lumber and mineral regions of the northwest employ an mmense number of horses of the heaviest class, and the demand is constantly increasling. No one need be afraid of an over pro-duction for years to come. We believe there is no branch of stock-raising which will prove more remunerative in the future. The expense of raising a colt to three years of age is but little more than raising a steer to the

-Keep your horses busy if you can. They will look just as well or better, if you give the proper food and care, and will last much longer. The horse that is able to do the greatest day's work with the least fatigue is the one that does six days' work each week in the year.

-Colts, preparatory to weaning, should be placed in a box stall a short time each days lengthening the period of confinement each disorder in children—and that gave me the hint. Since my first experiment, I have kept before depriving them of the mother. Otherwise they chafe, fret, and refuse to eat, and are thereby often seriously injured.

Vicious and unpleasant habits are often cquired by horses through the treatment they receive from those who handle them. The disposition of a horse is easily changed. either for better or worse, hence the necessi-ty of an effort to direct them in the right way. As the value of a horse materially depends on his disposition, it is of importance from a financial standpoint, and well worth

-Owing to the poor crops of late years and the high prices of beef and pork, the consumption of horse-flesh for food has sensibly ncreased in Alsace. The flesh of one hun dred horses is eaten every week; the retailers sell the choice cuts for about 8 cents per pound; for ordinary 6 cents. A large quan tity of horse-flesh is used in the manufacture of sausages. All horses are, before and af-ter being killed, given a strict examination and if found in any way diseased are rejected. The price of this meat renders it possi ble for many of the working people have meat upon the their principally confined to the working classes

A horse with the thrush should be kept inand levelled, and shoes, with calking but without toe-piece, should be lightly tacked on. The feet should be cleaned with warm powdered acetate of zinc should be intro-duced into the clefts of the frog by the aid of a small flattened stick of wood, and the powder retained by inserting a little tow or oakum: or pled zets of tow soaked in tar may be inserted daily, and kept in place by means of flattened pieces of wood across the frog the ends of which are inserted between th shoe and the hoof. Patience and persever ance are required, as it sometimes takes nonths to cure bad cases of thrush.-Breed

also more or less difficulty in evaluous g. In ordinary cases the tumor separates, a copi feel proud. Volunteer, a horse which has furnished more 2.20 representatives and place from the nostrils. In about a week the tumor matures, becomes soft, points, and compare the property of the p four years old. Electioneer, sire of the fastburst.
In some cases it does not follow the regular course. The tumor is imperfectly developed, is tardy in maturing, and sometimes disappears without supurating. In those cases generally form in the chest and arious parts of the body, and is known as tress was fifteen years old when she pro-tregular strangles. When forming in the in-ernal organs, it presents different and often complicated symptoms. When the lungs are certain ever, th The lat mare b the ori have b season mares greater than ot brood i tinguis such an life are Cultivat BI

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John Shor wold an sonable Hols Balance

DR. A G. St. Dogs, P. Chicken

Fors. tne Grea East St. JERSE bred fit for se sonable 1883. Se Cow, thr Sweepst Animals depot in Jefferson DR. H

H. Wo Perchero and Bis: pure Je white Ye catalogu iana, Mo SETH Vers of es, Flete Wild Eye es, Cons Craggs, Miss Wil

Oxford o JERSE ROZZ J. ty, M sheep. (and reta

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other world renowned fivers. Widow Maaree was also fifteen when she foaled Aber-een, sire of Hattie Woodward (2.15%), Modoc (2.19%) and several others which have records of 2.30 or better. Princess was seventeen years old when she dropped Happy Medium. With the exception of Daniel Lan bert, Gen. Knox's get have been more successful upon the turf than those of any other horse bred in New England. The year in least of the property horse bred in New England. The year in which his dam was foaled has not been ascertained. It is a well established fact, how-ever, that she was a daughter of Soarcher. The latter was by Barney Hehry, out of a mare by Gifford, he by Woodbury, a son of the original Justin Morgan. Searcher was foaled in 1847, and his earliest set could not have been dropped before 1850. As Gen. Knox was foaled in 1855, his dam could not have been more than five years old the season he was raised. It is true that some mares are more vigorous and capable or greater endurance at twenty years of age than others at five. It is also true that many brood mares whose early foals become distinguished, appear to lose their vitality it such an extent that those produced late in life are scarcely up to the average.—American Culticator.

BREEDERS' DIRECTORY.

H. B. SCOTT, Sedalia, Mo., breeder of Short Horn Cattle, Poland China Hogs and Cotswold Sheep. Anything in the herd for sale.

HEREFORD AND ABERDEEN - ANGUS l breeders, Independence, Mo. An inspec-n of their herds is invited.

SHORTHORN CATTLE.—J. F. Finley, Breck O enridge, Mo., breeder of Shorthorn Cattle and Berkshire Swine. Imported Kirkley-ington Lad at head of herd. Stock for sale at all times

KANSAS SHORTHORN CATTLE—Robert of Shorthorn Cattle of the best families. Stock for sale. Inspection invited.

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A NGUS AND GALLOWAY CATTLE—W. H. and A. Leonard, Mount Leonard, Mo, importers and breeders of Angus and Galloway cattle and Spanish and native Jacks.

CHARLES E. LEONARD, proprietor Ravenswood herd of Shorthorn Cattle, imported Spanish Jacks and Jennets and Meriao Sheep, Bell Air, Cooper Co., Mo., or Princeton, Mo. P. R. R.

HIGH CLASS BATES CATTLE, bred and for sale by M. W. Anderson, Independence, Mo. Craggs, Barringtons, Harts, Places Acombs, &c. Kirklevington Duke 2d 32980 at head of herd.

WILL R. & JUNIOR K. KING, Peabody, Marshall, Mo., breeders of Short-horn cattle Viscount Oxford 7th, 49489, Imp., and Grand Duke of Clark, Jr., head the herd. W. T. HEARNE, Lee's Summit, Mo., on Mo. Pacific R. R., 24 miles east of Kansas City, breeder of pure bred Shorthorn Cattle of the highest type. Herd numbers 100 head. Farm adjoins tile town.

JOHN MORRIS, Chillicothe, Mo., breeder of Short-horn cattle, Berkshire swine, Cots-wold and Merino sheep. Stock for sale at rea-sonable prices. Write.

HOLSTEIN CATTLE. GUS. HEAD, Alton Junction, Ill., breeder of Holstein Cattle, Poland China Hogs, Bronze Turkeys, Langshan and Plymouth Rock Fowls and Collie Dogs. Eggs and Chicks in season.

D.R. ABRAM NEFF, Arrow Rock, Saline county, Mo., breeder of Short-horn cat-tle. Ornanthe Duke at head of herd. Corres-pondence solicited.

G. C. WRIGHT, Pacific, Mo., or 966 Pine St., St. Louis, Breeder of Jersey Cattle, Berkshire, Jersey Red and Victoria Hogs, Shepherd Dogs, Plymonth Rock, Georgia Shawl Neck Chickens, Toulouse, China and White Swan Geese, Pekin Ducks, White Holland and Bronze Turkey's Eggs for hatching.

T. C. CAMPBELL, Breeder of Holstein Cattle Manchester. St. Louis Co., Mo. Railroad station Barrett's, Mo. Pac. Ry. Inspection of stock invited

POR SALE. A. J. C. C. Bull Calves, tracing to L' such noted sires as Signal 1170, Rex 1330, and the Great Mercury 432, JAS. G. CREVELING, East St. Louis, III.

JERSEY CATTLE, highly and fashionably bred and the best butter families. Bulls fit for service and bull calves for sale at reasonable prices. Premium herd St. Louis Fair 1833. Seven first premiums, including aged Cow, three-year old Cow, two-year old Bull, Sweepstakes on Cows, Herd premiums, etc. Animals properly shipped and delivered at depot in St. Louis. H. W. Douglass, Pewely, Jefferson Co. Mo.

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Percherons by imported Napoleon Bonaparte
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SETH WARD & SON, Westport, Mo., breeders of the best families—Airdrie Duchesses, Fletchers, Barringtons, Kirklevingtons, Wild Eyes, Roan Duchesses, Hudson Duchesses, Constances, Minas, Hipas, Darlingtons, Oraggs, Rose of Sharons, Vellums, Mazurkas, Miss Wileys, Barmpton Roses, Young Marys. Oxford of Vinewood 3d, 33427, at head of herd. Young stock for sale

JACKS.—I have for sale Jacks, Hogs, and grade and thoroughbred Shorthorn bulls. W. H. BASS, Columbia, Mo.

JERSEY RED HOGS bred and for sale by Rozzelle & Peck, Breckenridge, Caldwell County, Mo. Young pigs for sale.

J. BELL & SON, Summerville, Texas country, to, ho, breeders of pure Spanish Merinos sheep. Choice ewes and rams at wholesale and retail.

G. B. BOTHWELL, Breckenridge, Mo., Breeder of Spanish Merino Sheep. His stock to stock from 28 to 33 lbs.

CHESTER WHITE HOGS. H. W. Tonkins, Fenton, St. Louis County, Mo., breeder of improved Chester White pigs. Stock for sale at reasonable prices. Ship from St. Louis.

BERKSHIRES-N. H. Gentry, Sedalia, Mo. breeder of Berkshire hogs, Merino sheep and high-grade Short-horn cattle.

MERINO SHEEP—H. V. Pugsley, Platts-burg, Clinton county, Mo., breeder of registered Merino sheep. Stubby 440 stands at head of flock. Callor write.

R. C. PEW, Prairieville, Pike county, Mo., Shropshire sheep. Ewes and rams of all ages for sale. Correspondence solicited.

P. S. ALEXANDER, Lone Jack, Mo., im-Satisfac on guaranteed. Call or write.

D. WASHINGTON, West Plains, Missouri preeder and importer of Essex hogs, Me-rino Sheep and Plymouth Rock Chickens, Cir-culars free.

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SAMUEL JEWETT, Independence, Mo., importer and breeder of registered American Merino sheep. Satisfaction guaranteed to purphasers.

I. H. SHIMER, Hillsboro, Ills., Breeder o anteed. Inquiries promptly answered. W. McQUITTY, breeder of Merino sheep, Hughesville, Pettis Co., Mo. Has 400 rams ready for this year's service.

MERINO SHEEP and Light Brahms fowls, all of the best strains. R T. McCulley & Bro., Lee's Summit, Mo Prices reasonable.

SUFFOLK SWINE, pigs ready for delivery in March. E. J. FILE, Hillsboro, Montgomery County, Ill.

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CHESTER WHITE and BERKSHIRE HOGS, of the best breeds, bred and for sale by HOLT BROS., Arlington, Ky.

DUROC, or JERSEY RED HOGS, and Large Englis Berkshire Plymouth Rock Fowls, all of the ver best breed, for sale by W. LEONARD REID, Sand Bridge, Jefferson Co., Mo. N.B. A fine hot of ver early Pigs, now. Eggs for Hatching, \$1.50 per sett ing (1s). A few fine Cockerels, \$2.00 cach, delivere in South St. Louis. Write.

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LINN COUNTY POULTRY ASSOCIATION breeders of high class Plymouth Rock'. Langshan, Partridge Cochin, Wyandott and Houdan fowls, B. B. R. Game and Bronze Turkeys, Eggs and Chicks in season. Price low; stock pure. Correspondence solicited. Chester White Pigs for sale. Ed. H. Nortoni, Sec'y, Linneus, Mo.

EGGS FOR HATCHING Partridge Cochins, Brown and White Leghorns, at \$1.50 per setting of thirteen. Also, Pekin Duck and Bronze Turkey eggs in season. Pekin Ducks, \$1.50 per setting of nine, Bronze Turkeys, \$2.00 per setting of nine, address C.T.STOOKEY, Freeburg, St. Clair Co. III.

NOTICE. PURE PEKIN DUCK EGGS for sale, at \$1.50 per dozen.
A. M. BALSIGER, Highland, Ill. WHIFE BRAHMA EGGS, for Setting from high-class birds. \$\psi\$ \$2.00 for 13. MRS IDA HOLLAND, Melville, Madison Co., Ill.

HIGH CLASS POULTRY. Plymouth Rocks, Black Juvas, Partridge Cochins, Brown and White Leghorns, S. S. Hamburgs, Bronze and White Holland Turkeys and Pekin Ducks Stock for sule. Kors in season ock for sale. Eggs in season.
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PURE BRED REGISTERED YORKSHIRE HO48, Holstein Cattle, Bronze Turkeys and L. Brahma Chickens. J. P. Vissering, Melville, Madison Co., Ili. Artichokes for sale

BREEDER of HIGH CLASS POULTRY.
Plymouth Rocks (Pitkin strain), Hou
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Poland, China Swine, pure breed. Liberal reductions to first purchasers in each county. Photographis of breeds sent free upon application. Address us before purchasing elsewhere. H. H. WALLS & CO., Bedford, Lawrence co. Ind.

POLAND-CHINA HOGS and Pigs and PLYM OUTH ROCK Poultry of pure breed and fine quality. Fair prices and prompt atten-tion to customers. H. C. MINTER, Keytesville, Chariton Co., Mo.

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HOLSTEIN CATTLE, Shropshire Sheep bred and imported by JOS. E. MILLER Bellville, Ill.

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TERSEY CATTLE, Southdown Sheep and Plymouth Rock Fowls. JOSEPH P. SMITH, Breeder, Freeburg, Ills.

SHORT-HORN CATTLE, Percheron Horses and Berkshire Pigs. WM. J. MILLER Breeder, Belleville, Ills PLYMOUTH ROCK FOWLS and Eggs and all kinds of native and imported Farm and Garden Seeds. L. G. WENIGE, Belleville, Illinois.

GUERNSEY CATTLE, Oxfordshire Sheep, White Holland Turkeys, all pure bred and low price. Henry C. Eckert, Belleville, Ill.

JERSEYVILLE STOCK FARMS. **Trotting Bred Horses**

STALLIONS IN USE.

YOUNG HAROLD 1823, got by Harold (sire of Mand S., 2:10 1-4) dam by Almont (sire of Aldine, 2:15 1-2 to pole). Service fee, 556 to insure.

EXILE 1143, got by August Belmont 366 (sire of Don Cossack, 2:26), dam by Mambrino Patchen 58 (sire of London, 2:29). Service fee \$35 to insure.

CLAY CUYLER 1707, got by Cuyler 106 (sire of Day Bream, 2:22 1-2 at four years), dam by American Clay (sire of Maggie Briggs, 2:27). Service fee \$25 to insure.

The BROOD MAPES.

25 to Insure.
The BROOD MARES are by the following sires:
Iarold, Cuyler, Princeps, Pancoast (2:25-1-4), Alion, Woodford Mambrino (2:21-2-2), Alexander's
forman, Woodford Abdallah, Kentucky Rocket,
ten Patchen, Blood Chief, and Clark Chief, Jr.
Young Stock, Matched Pairs, and good Driving
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Noung state and times.
Stock shown any day except Sunday.
Good box stalls and pasture at reasonable rates for aares left for service.
Also, RED HOGS for sale.
Call on, or address
J. V. STRYKER,
Jerseyville, Ill. (40 miles from St. Louis, on C. & A. R. R.)

M. W. DUNHAM 90 PER CENT OF ALL HORSES From France to America,



Now on hand. All Stallions Guaranteed Breeders, Catalogue free. Address, M. W. DUNH M. Wayne, M. Page Co., Illinois. (35 miles west of Chicago, on C. M. Ry. PUBLIC SALE

HORSES. At MT. STERLING, KY.

First Annual Sale at this place of 100 to 150 head of Horses, Mares and Geldings, to take place the lith and 15th days of April, 1884, consisting of Trotters, Roadsters, Saddlers, Catalogues will be out the latter part of March. WHITNEY & FESLER,

Hostein Catte, J. A VANCE, Troy, Ills. tie. Imported and premium stock on hand Correspondence solicited

PUBLIC SALE. GREAT CLOSING-OUT SALE

Sale of High Bred Trotting Stock Abdallah Park, Monday April 16, 1884. The get of his developed Stallions, Indian polis 2:21; Jubilee Lumbert, 2:25; Ravens wood, 2:26. Also the get of Smuggier, 2:15½ Aambrino, 2:21½; Hambletonian Mambrino, 2:21½; and other producing sires and wel 1:21%, and other producing sires and well pred stallions. Catalogues can be had on upplication to W. H. WILSON, Abdallah Park, lynthiana, Ky.

THE TROTTING STALLION,

WM. L. HULL,

W.M. L. HULL,

Vili make the season of 1834 at the Fruin
Farm, formerly called the Stevens Furm, 3
niles from Meadville, a station on the H. &
t. Joe R. R., Linn Co., Mo.

Wm. L. Hull is a black horse, 16 hands
igh, a fast trotter, and was sired by the celeorated Mambrino Patchem. full sister to
ady Thorn, with a record of 2:184. He was
ady Thorn's dam, by Gano, son of American
zelipse. Dexter Park, Chicago A T the above time and place we will see the ENTIRE HERD, which number about 65 head—17 bulls and 48 cows and heif

ady Thorn's dain, by Gano, son of American Eclipse.

The dam of Wm. L. Hull was the well known rotting mare Dixie, full sister to Lackey, oth sired by the great sire of trotters, Pilot r. The dam of these mares was Bellfounder. In the trotting stallion, Hull, the blood of the bree greatest families of trotters is united, for trotting stallion in America is better, or nore fashionably bred. Terms; 225,00 the season. Marcs not proving in foal can be returned free next year. Pasturage on very reasonble terms. Address,

R. J. FRUIN.

THE STANDARD BRED

MONTITOR.

Stands at the stables of the Colman Nursery Co., on the Olive Street Road, five miles from the St. Louis Court House. Teints: \$25 60 the season, in advance. Mares not proving in foat may be returned free next year.

Monitor is not only a horse of great power, having abundant the stable of the stabl

PEDIGREE, ETC. MONITOR (1327) foaled 1877, color black, 18 hands high, by Merchant (599), he by Alexander's Belmont (61), both their Gams by Mambrino Chief (11); dam Trojana by Trojan (312) he by Flying Cloud's dam by Andrew Jackson (4), Trojan's dam by Abdallah (1), the sire of Rysdyk's Hambletonian (16). He is descended from the best trotting families on the side of both sire and dam. Pasturage for mares from a distance \$1.50 per week. Address C. D. COLMAN, RUKAL WORLD OFFICE, 600 Olive St., St. Louis. atalogues now ready. Address as below. GEO. WHITFIELD, GEARY BROS., Model Farm, Bil Bro Stock Farm, Rougemont, P. O., Can. London, Cai

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At the head of our herd are the four best
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We now offer for sale the best bred lot of
young Bulls ever collected in one herd, as
their pedigrees show, and all backed by wonderful records. Best Quality,

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The animals comprising the foundation of the Elmwood Herd of Jerseys were selected many years ago solely for their butter qualities.

The long list of tested cows, with their grand butter records, that now comprise the Elmwood Herd or have been sold therefrom, is conclusive proof that no histake was made in buying the best of balls. An examination of the animals best of bulls. An examination of the animals will convince parties for their with the most noted butter steepens of the records the results of the parties of the breed. An inspection will, we are confident, prove them as attractive in appearance as their unmistable indications of quality would warrant.

Royalist III, 4509 stands at the head of the Elmwood Herd, and when the unsurpassed prize record of his ancestors for generations, and the average weekly butter record of his ancestors for generations, and the average weekly butter record of his ana, imported Nelly 6456, and his sire's dam, megina 32, I. H. B., are considered, Royalist III, 4500 is the peer of any Jersey bull. For further particulars address.

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A three-quarters bred Jersey Milch cow for sale. She dropped calf February 1st, has been again bred to a thorough bred Jersey bull. Is kind, centle, well broken, and give such out 3½ galions of, rich milk per day of the will do better on grass. Is without sown fault and will be delivered on cass in St. Louis for \$100.

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The cows represent such noted families at Cruickshank, Young Mary, Rose of Sharon, Josephine, Adelaide, Lady Caroline, and other popular families. All of the cows and heifers that are old enough are bred to one of the above bulls, or have calves from them by their side.
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Bulls and Heners, of fashionable colors and pedigree, coupled with individual merit, for sale at reasonable figures. Send in your or-ders and get choice stock while they are of-

CHAS. G. MCHATTON, Fulton, Mo.

ong the bulls to be sold is the gran, 5th Duke of Acklam 41734.

Ot the Late L. PALMER,

H. B., the renowned sweepstakes winner as St. Louis and Kansas Clay and other fairs in 1882: Commander 41637, one of the best bred Cruickshank bulls in America, and the fine yearling Cruickshank bull Orange Boy.

The cows

Meadville, Linn Co., Mo. R. J. FRUIN,

FAST TROTTING STALLION. MONITOR.



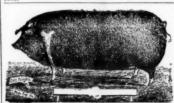
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PJ. Edwin Black, Bridgeport, Lawrence Co., Ills Breeder of Poland-China Hogs. 29 sows to farro in the Spring. Also, Cotswold and Storpshir Sheep. A portion of each flock imported from En land. Prices as low as the lowest. nce Co., Ills.,



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Eggs from the best strains of PLYMOUTH ROCK FOWLS, packed with care, so as to be afely shipped to all parts of the country-rice, \$2.00 for 13. Plymouth Rock ale. Address COLM, mouth Rock Eggs for Hatching.



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It is particularly adaped to the present style of dress. For sale by all leading dealers. Price by mall \$1.30.

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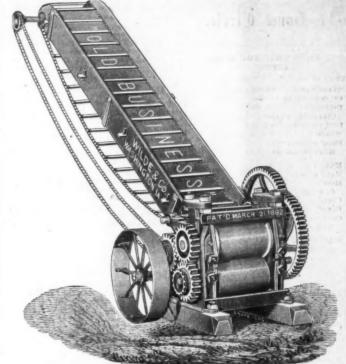


Early ORANGE CANE SEED FOR SALE. I have a choice lot on hand. PRICE \$2.00 pe 100 bs. six cents Retail. TAYLOR ALLEN, Honey Grove, Tex.

Prof. Collier on Sorghum

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Late Chemist of U. S. Dep't of Agriculture, D. C. 8 Vo., 882 pages. Finely fillustrated PRICE, 83.00. Will be sent by mail prepaid on receipt of the price. ROBERT CLARKE & CO., Publishers, Chemnatt, O. \$288 a month to one general agent in each county; something new; rare chance; outsignee. E. I C. Co., 381 Canal Street N. Y.



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Corn as Well as to Cane. - IS THEREFORE -

OF USE ALL THE YEAR ROUND. Our Self-Skimming Evaporator is known only to be appreciated throughout the West. Of the thousands now in use we have yet to hear of a complaint of their PERFECT WORKING.

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J. W. STILLWELL & CO.

Proprietors of the BEECHWOOD HERD of HOLSTEIN CATTLE,

WILL OFFER AT PUBLIC SALE,

At BeechWood Farm, Troy, Miami Co., Ohio, Madame Foy's improved On - WEDNESDAY, APRIL 2nd, - 1884. 45 IMPORTED HEIFERS, coming two years old. Many of them are in scalf to JACOB, 608, H. H. B., son of Mercedes, 723 (the most famous butter cow in the world, whaner of the Breeders Gazetic cup, of 1883), and Prince of Twisk, 1,055, son of Pride of Twisk, who is the winner of more first premiums than any cow in the country, and her son, a twin six months old, has just been sold to Joseph E. Miller, Bellville, III, or ONE TROUBAND DOLLARS; her butter record for thirteen days in August, 1883, at ten years old 18.0 (bs. of unsaited butter.

10 COWS INCALF, mostly to Prince of Twisk, due in early spring and summer. FOY, HARMON & CO., New Haven, Conn. 10 BULLS of various ages, fit for service.

20 CALVES, imported in dams. These Animals are Strictly First-Class,

Individually, and of high breeding. BEECHWOOD FARM is one-half mile from the depots of the I.B. & W.R. R., running east and west, and the D. & M. R. R., running north and south, furnishing first-class shipping facilities in all directions. If, on the day of sale, the demand should require more "Cattle, we will sell at private sale ough to satisfy all.

Illustrated Catalogues distribution about the 15th of March. In writing for them, please give Lunch at 11 o'clock a.m., and sale to commence at 1 o'clock, p. m., promptly. TERMS





BUY A TILE OR BRICK MACHINE

I wish to call the attention of all, to my large and carefully grown stock of Fruit and Ornamental Trees, Small Fruit Plants, Etc., for Spring 1884. Frice List sent to all free. To those wishing to plant largely of the above this Spring, will be quoted specially low rates. Please write, stating just what you wish. Address THOMAS J. WARD, St. Mary's, Vigo Co., Indiana.

Office

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While

Che Home Circle.

A LEAF FROM THE LOG-BOOK OF LIPE.

BY AN OLD SAILOR-TO FANNY FROST. Though on life's stormy main, Oft roars the hurricane, Driving our bark amain, 'Mid shoals and breakers,

Still, on its wide expanse, Where the waves rock and dance,

Many a merry crew, Many a heart, leal and true feet us upon the blue Or voyage beside us Cheering our onward way, Out o'er the yeasty bay, Out past the head-lands gray, ere the mists hide us

What though a cloud arise And the wind sobs and sighs Soon far away it flies-Vanquished-defeated By the great king of day, Marching athwart our way; Leading his bright array Where clouds retreated

Oft when alone we ride. Over the heaving tide, Far out to seaward, With what a thrill of joy, Borne on the breezes coy, Comes the blithe "ship ahoy"! Passing to leeward.

When the dark sorrows loom Bursts its confinings, O'er the wide waste of pain Breaks in that glad refrain O'er repinings;

Chasing our cares alee, Back over the misty sea; Ah! if more tenderness Dwelt in life's wilderness, Fewer hearts, in distress

Ham Lake, February 22nd, 1884

Walnut on Others.

In a former article, the writer made some comment on "The Ladies of the Home Circle." In this, he proposes to discuss, favorably or otherwise, some of the opposite sex, as a "companion" ar-

First, then, we will tackle Paulus First, then, we will tackle Frantis. This writer is one who has ever striven to write only what would be worth the reading, and he has succeeded well. We wish him success, and we wish he would favor the Circle with letters more frequently, for we assure him they are of a nature to be appreciated by most readers.

Another point to be commended, and one worthy of imitation by all, is the marked good sense shown by Paulus in controlling his own temper, when certain small fry undertook to squelch him by adverse criticism. He did right to

points of his letters; whereas, thoughts, ideas, are the objects in writing or speaking.—"words" are only the medium by which we convey these "ideas" to other minds. He makes "word-pictures," which are the same as dead, because they "ideas" to our minds, to give

convey no "ideas" to our minds, to give life to the picture. Juvenis attempts to write "poetry," a task which he is utterly unfitted for

convey no "ideas" to our minds, to give his the stacker is concerned with. If the tothe pictures to write "poetry," a task which he is utterly unfitted for doing. He has no just concept to make the tothing fresh but mind, and the man of the tothing fresh but mind, and the man of the man in the tothing fresh but mind, and it is mostly filled. There is no poetle image, no ideas for the mind, no connected thought in good straight English prose, certainly should not attempt poetne measure.

Rev., Geo. It will be not poetly that he saw that he belongs to the Roman will be the same than the belongs to the Roman will be reversed that he belongs to the Roman we think the Rev. gentleman will not wish to dearly it—sin far port pound of his church. The is the seed of the consent for exercising a poet's mind—a poetle man.

Rev., Geo. It will be not poetly that he saw that he belongs to the Roman we think the Rev. gentleman will not write the seed of the resulting should be reversed to the should be reversed to the should be reversed t

and trine cause they assume a title to which chase which they assume a more carding which they are no right. We make no criticism of the man, nor of his church, simply we object to his using a title that it will not have the control of the whole of his more), payied and intellectual.

Why is this tardiness in receiving the which control is apt to mislead many people into the more of his church; then why is he sailing under flate colors? Let him show his colors? Let him show his colors? Let him show his colors? I have not been such as the colors. I have not been such as the colors of the colors? I have not been such as the colors. I have not been such as the colors of th

can people, which so vitally concerns the can people, which so vitally concerns the welfare of the homes of the land as these, and none so deserving of careful, thoughful consideration by the members of this Home Circle, but simply to put on record our own convictions, our own decided opinion in favor of absolute Prohibition of the Liquor Traffic. This decision is reached after years of careful study, close observation, and thoughtful study, close observation, and thoughtful comparison. We are not ashained to unfurl the banner of Prohibition, and to untur the banner of Frontbitton, and to stand by it, to work for it if need be, by voice and pen, for it is the greatest reform of the century, and is bound to succeed. There are many other noble reforms, but they will never meet their best success, till intemperance is banish-ed from the land.

ed from the land.

Bon Ami has made some sneering remarks concerning Frank, which do the former no credit as a gentleman.

former no credit as a gentleman.

I happen to know something about
Frank, of his struggle in early life, of his
political honors later. He was sent to
the Nebraska State Legislature as a
representative, not to the Kansas Legislature as B. A. falsely hinted. Frank is a
man of such solid worth, such sterling
integrity, that he would not be bribed or
whined around the dune or fool of the whipped around the dupe or fool of the of the politicians; but he labored earnestly and steadily in behalf of the people. If Bon Ami or "Rev." Watson have labored half as zealously and half as successfully in their respective call-ings as Frank has done in his, they have

Lloyd Guyott is the only writer who is endowed with genuine humor. He rolls it off in such a droll way, peculiarly his own, as to be really amusing. Bon Ami own, as to be really amusing. Bon Ami noticed L. G's marked success, and tried to imitate him, but B. A's attempt at being "funny," has ever been so complete a failure, that it was truly sickening to the intelligent reader. Bon's "funry" stories have been the most sickly reading the Home Circle has ever head.

We did intend to write of others, and especially of Bon Ami, more at length, but this letter has already reached a greater length than we intended, so must defer till another time.

WALNUT.

A New Visitor.

To the Home Circle: I have for some time been a silent reader of the Circle, and have at last come to seek admittance to it, if there be yet room for one more. Any little remote corner will do for me, as I don't want to say much. I am like "Tom" and "Jennie K." engaged in "teaching the young idea how to shoot," but unlike either am not a "schoolmarm." I like Jennie's way of opening school, but think, like Tom, that to do this, a person should be a Christian. Tom suggested that the teachers of the Circle mention some remedy for tale-Circle mention some remedy for tale-bearing. But I am not able to give any efficient remedy for this most despicable of all traits, except talking to them and setting forth the evils necessarily con-nected with it.

As a teacher, I cannot help thanking Albee for the compliment paid to the profession of teaching in speaking to

Tom.

We realize that it is a noble calling, but in some instances a thankless one, as Jennie puts it, and a word like that from an outsider cheers us up. It is not only a noble calling, but a responsible one. Wickersham says, "God has intrusted to our care no duty so responsible as that of the culture of our minds. The duties of the farmer, the mechanic, Juvenis is by all odds the poorest writer the Circle has had for many a day. He is the poorest writer, because his letters are so filled with self-conceit, as to be well-nigh unreadable, even disagreet what is temporary and perishable; while teaching, in its broadest sense, includes that preparation which must be of his letters; whereas, thoughts, are the objects in writing or speak"words" are only the medium by we convey these "ideas" to other. materpiece, the crowning glory, the complement of all the rest. That in man which distinguishes him from the brutes that perish, is his mind, and it is mostly this the teacher is concerned with. If

On earth there is nothing great but man, In man there is nothing great but mind,"

animal; and if we are good naturalists can tell whether it belongs to a carniver-ous or a gramnivorous animal. It was by exercise of this faculty that Cuvier made such unprecedented progress in Natural History.

The faculty of Human Nature gives the power to perceive motives and to

the power to perceive motives and to study character. A man with it large is study character. A man with it large is inclined to investigate mind and to de-light in the analysis of character. It is very important to those who have to govern or influence men. No one can be a good judge of men without it. A man who is in a bank, store, or hotel, or steamboat, or who is a conductor on a railway, and especially a teacher or steamboat, or who is a conductor on a railway, and especially a teacher or lawyer, should be well endowed with this faculty, and if he have also a good knowledge of the whole subject of Phrenology, he will be able to compre-hend men and make himself successful in whatever course of action, reason and duty may require. and duty may require.
Agreeableness gives

and duty may require.
Agreeableness gives a youthful, pliable tone to the whole mind. It is invariably large in those who are youthful and buoysnt in old age, and small in children who are styled "old-fashioned."
There is nothing deceptive, hypocritical, or wrong in its normal activity. A man who does not possess it will ask, "How long is it since we last met?" One in whom it is large, would say, "When did I have the pleasure of meeting you last?"

ing you last?"
This faculty should be cultivated at home and at school. It serves as a lubricator among the people, rendering the hard attributes of life tolerable, When Wellington, the man of iron resolution, was on his dying bed, his blandness and politeness, which had become such a fixed fact in his strong nature, did not fail to show itself. A serhome and at school. It serves as ture, did not fail to show itself. A servant asked him if he would have a cup of tea, which it was his duty to give him, the duke replied: "Yes, if you please," and these were his last words. If you do nothing else, cultivate agree-

Perkinsville, V. T.

The Wood Pile.

ALLBEE.

I have just read A. Moffet's "Woodpile" with pleasure, and think he is right in advising the preparing of wood during the winter for summer, instead of getting it in summer for winter. This 5th day of March, cloudy, cold, gloomy and chilly, I have been in the woods chopping and piling up wood with my boys. Although well stricken in years, I would sooner handle an axe (a good sharp one) in the the woods in clear, dry weather than to lay about indoors. We too, have now wood enough ready to haul home to last all summer, which is also to be cut into stove size before it gets dry. The difference between always having good fuel and bad is equivalent to a pleasant wife and well cooked meals, good bread, etc., on one hand, or ill-cooked food, and an occasional "keelhauling" on the other. I am thankful for having plenty of wood so as not to require coal, for I detest it. In piling up wood, always have the bark side uppermost, and when putting it on the fire bark down. When I tell that the fires in my house are always started in the morning by the writer of this it will not be wondered that I take an interest in the woodpile.

LINCUE SAM. Although well stricken in years, I

UNCLE SAM.

RICE CROQUETTES.

Boil half a pound of rice till quite soft and dry, mix with it a tablespoon-ful of grated cheese, with a small tea-spoonful of powdered mace, and suffi-cient butter to moisten it. Take a porcient butter to moisten it. Take a portion the size of a hen's egg, and shape it into the form of a pear or egg. Brush over with yolk of egg, and roll in cracker or bread crumbs. Fry these croquettes in boiling lard. Very good may be made without the cheese, substituting the yolks of several eggs, with the addition of a little more butter, when they may also be fried, if you choose, in little round flat cakes.

"THE THIRD HOUSE."

its Good and Bad Members-The Remarkable Experiences of a Close Observer of Its Workings During a Long Residence at Wash-ington.

ndence Rochester Democrat. No city upon the American continent has a larger floating population than Washington. It is estimated that dur-Washington. It is estimated that during the sessions of congress twenty-five thousand people, whose homes are in various parts of this and other countries, make this city their place of residence. Some come here, attracted by the advantages the city offers for making the acquaintance of public men; others have various claims which they wish to present, while the great majority gather here, as the crows flock to the carrion, for the sole purpose of getting a morsel at the public crib. The latter class, as a general thing, originate the many schemes which terminate in vicious bills, all of which are either directed at the all of which are either directed at the public treasury, or toward that revenue which the black-mailing of corporations or private enterprises may bring.

While walking down Pennsylvania avenue the other day, I met Mr. William M. Ashbey formerly of your city whose

M. Ashley, formerly of your city, whose long residence here has made him unusu-

ally well acquainted with the operations of the lobby.

Having made my wants in this particular direction known, in answer to an interrogative, Mr. Ashley said:

"Yes, during my residence here I have become well coverinted with the work."

become well acquainted with the workings of the 'Third House,' as it is termed, and could tell you of numerous jobs, which, like the 'Heathen Chinee,' are neguliar.''

which, like the 'Heathen Chinee,' are peculiar,"

"You do not regard the lobby, as a body, vicious, do you?"

"Not necessarily so, there are good and bad men comprising that body; yet there have been times when, it must be admitted, that the combined power of the 'Third House' has overridden the will of the people. The bad influence of the lobby can be seen in the numerous blood-bills that are introduced at every session."

But how can these be discovered?" "Easily enough, to the person who has made the thing a study. I can detect

"Tell me, to what bills do you refer?"
"Tell me, to what bills do you refer?"
"Well, take the annual gas bills, for instance. They are introduced for the purpose of bleeding the Washington Gas Light company. They usually result in an investigating committee which never amounts to anything more than a draft

"During your residence here have you experienced the bad results of living in this climate?"

"Well, while I have not at all times "Well, while I have not at all times enjoyed good health, I am certain that the difficulty which laid me up so long was not malarlal. It was something that had troubled me for years. A shooting, stinging pain, that at times attacked different parts of my body. One day my right arm and leg would torture me with pain, there would be great redness, heat and swelling of the parts; and perhaps right arm and leg would torture me with pain, there would be great redness, heat and swelling of the parts; and perhaps the next day the left arm and leg would be similarly affected. Then again it would locate in some particular part of my body and produce a tenderness which would well nigh drive me frantic. There would be weeks at a time that I would be afflicted with an intermitting kind of pain that would come on every afternoon and leave me comparatively free from suffering during the balance of the twenty-four hours. Then I would have terrible paroxysms of pain coming on at any time during the day or night, when I would be obliged to lie upon my back for hours, and keep as motionless as possible. Every time I attempted to move, a chilly sensation would pass over my body, or I would faint from hot flashes. I suffered from a spasmodic contraction of the muscles and a soreness of the back and bowels, and even my eyeballs beared.

late hours and intemperate habits, and

the fact that they are often found out in their steals, their disappearance can easi-ly be accounted for." "What proportion of these blood-bills

"Mat proportion of these blood-bliss are successful?"

"A very small percentage, sir. Not-withstanding the power and influence of the lobby, but few of these vicious measures pass. Were they successful it would be a sad commentary upon our system of government, and would virtually annihi-late one branch of it. The great majori-ty of them are either reported adversely or smothered in committee, fulness and loyalty of our congressmen.

J. E. D. r smothered in committee, by the watch

HUMPHREYS' HOMEOPATHIC ARY VETERINARY VETERINARY OR THE CURE OF ALL DISEASES OF

HORSES, CATTLE, SHEEP, DOGS, HOGS, FOR TWENTY YEARS Humphreys' Homeopathic Veterinary Specifics have been used by Farmers, stock Hreeders, Livery Stable and Turfmen, Horse Railroads, Manufacturers, Coal Mine Companies, Tray's Hippodromes and Menageries, and others handing stock, the Humphrey Westernary Manual, (30 pp.) sent free by mall on receipt of price, 50 cents, FP Pamphlets sent free on application. HUMPHREYS HOMEOPATHIC MED.CO. 100 Pullon Street, New York.

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IN THOUSANDS OF CASES d where all else had failed. It is mile it, CERTAIN IN ITS ACTION, be

harmiess in all cases.

Lef Iceleanness the Bicod and Strengthons are
given New Life to all the important organs o
the body. The natural section of the Kidneys is
restored. The Liver is cleaned of all discussed
and the Bowels move freely and healt. thy
in this way the worst diseases are error also RICE, \$1.00 LIQUID OR DRY, SOLD BY DRUGG Dry can be sent by mail.
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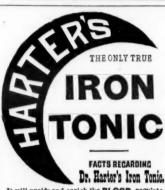
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on one medicine be a specific for Eplicipus, Dyspepala, Dpium Eating, Rheumatian, Spermator-thory Sminal Weakness, and fifty other complaints? We claim it a specific, simply because the virus of all diseases arises from the blood. Its Nervine, Resolvent, Alterative properties measured.

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introduction of opiates and drastic camartics, but by the restoration of activity to the stomach and nervous system, whereby the brain is relieved of morbid fancies, which are created by the causes above referred to. To Clergymen, Lawyers, Literary men, Mer-chants, Bankers, Ladies and all those whose sedchants, Bankers, Ladies and all those wnose scuentary employment causes nervous prostration, irregularities of the blood, stomach, bowels or kidneys or who require a nerve tonic, appetizeror stimulant, Samantran Nezwins is invaluable. Thousands proclaim it the most wonderful invigorant that ever sustained the sinking system. §1.50. Sold by all Druggists. (14)

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we furnish a tool which can scarcely be worn out; and when worn, the wearable parts, a prepared wood journal, and movable thimble in the hub (held in place by a key) can be easily and cheaply renewed. We guarantee our "BOSS" to plow more acres than any other three Coulters now used.

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person who will take 1 Pill each night from 1 to 1s weeks, ma, but the person health, if such a thing be possible. For Female Complaints these Pills have no equal Physicians use them for the cure of LIVER and KIDNEY diseases. Sold everywhere

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Che Dairy.

Officers Mississippi Valley Dairy and Creamery Association.

ident—Norman J. Colman, St. Louis. President—Jos. W. Drury, Waterloo, Ill. de, Ills. urer—Wm. N. Tivy, 424 NorthiSecond, ils.

BROWNSVILLE, MO., March 10.—Our new creamery was inaugurated to-day by a grand meeting at Olympic Hall, attended by farmers and their wives for miles around. The meeting was addressed by Col. Norman J. Colman, of St. Louis, who presented the importance and advantages of developing the dairy interests of Missouri in a forcible and attractive manner, and carried his large tractive manner, and carried his large audience with him. This address will addrence with high. This address with do a vast amount of good for this community. Remarks were also made by Capt. Samuel J. Sparks and Dr. B. T. Dunkley. Our creamery was built by J. J. Smith, a citizen of Brownsville, late of Liscolar Charles of the committee Lincoln, Neb., and will begin operations April 15. The capacity is 2,400 pounds daily. It is one of the best in Missouri,

The First California Creamery.

Hon. Rush McComas, manager of the Santa Clara creamery, addressed a meeting of dairymen, farmers, and others interested in the subject, in the Grangers' stall, Gilroy, last Saturday afternoon, his subject being the history of the Santa Clara creamery and its workings. The Grange threw open its doors to admit persons not members of the order, and the attendance was quite large. Daniel Tuttle introduced Mr. McComas to the audience, and the latter proceeded to give the history of the successful organigive the history of the successful organiation he manages. He said that no dairying had been done near Santa Clara, farmers received but small prices for their butter, and with the hope of bettering themselves they had formed an association and established the bettering themselves they had formed an association and established the creamery. He explained how they received and paid for milk, how cheese was made, etc. He read from statements of the factory, showing that the lowest price milk brought was 97 cents per 100 pounds (about 12 gallons), that the highest was \$1.42 and a fraction per 100 pounds. Milk dividends are paid on the 15th of each month. Two dollars per 100 pounds of cheese is charged for manufacture, that being sufficient to pay all expenses of the creamery. Milk is delivered early in the morning, is measured by weight, and must be pure and fresh. About 80 per cent of milk received is discharged as whey, after the process of cheese-making into a large tank, and each farmer is expected to take his proportion of the whey on his return home. The whey when mixed with shorts or bran, is fed to hogs, and is even used for feeding calves. Mr. McComas' figures were interesting, showing that the creamery was profitable to the farmers of that section. From his figures we make one selection: A farmer having twelve graded cows sold, as figures we make one selection: A farmer having twelve graded cows sold, as their milk production to the creamery, their milk production to the creamery, for the year ending February 28th, 1883, 71,859 pounds of milk, and for the same received \$846.23—nearly \$71 to the cow for the year. Besides, he had the whey which he fed his hogs. After the conclusion of his address, Mr. McComas answered questions asked by dairymen concerning the creamery, and stated concerning the creamery, and stated that any time he would be pleased to show Pajaro dairymen through the creamery. It is well known that store keepers lose money on all butter except that made by daries, and we believe the establish-ment of a creamery would not only meet their hearty support, but would be

Wisconsin Dairy Notes.

A number of Rock county farmers who are interested in butter making, are arranging butter rooms in the towers of their wind-mill and using the Cooley cans in them.

The Calumet county dairy board of trade has forty-five members in good standing. The county is making rapid advance in the dairy business. Following are the new officers of the board: Geo. D. Breed, president; B. W. Rowe, vice-president; E. W. Dankoler, secretary; Wm. Hume, treasurer; J. C. Aplin; director for three years.

(1882) and shall try to milk three times the number next year. A good cow will be a total of 4,932 pounds for the year; taking the average price paid by the creamery, which was 85 cents, and the return is \$41.92.

Better Cows.

At the recent meeting of the Illinois Dairymen, H. B. Gurler gave his experience as follows: "He said that he beginned and the properties of the properties o

At the recent meeting of the Illinois presented in the proper services. The present of the prese

soap and warm water, etc. Broken ice, in a cloth bag, is applied to the head, and friction to the limbs. All this is in accordance with usual treatment, except the aconite, which, according to my ex-perience, is the all-important thing, as its effect in allaying the fever has never failed in my experience.—Breeder's Ga-

Treasurer—Wm. N. Tivy, 424 NorthiSecond, 8t. Louis.

Scoretary—Joseph W. Sheppard, 600 Olive street, 8t. Louis.

BROWNSVILLE, Mo., March 15.—Our new creamery was inaugurated to-day by a grand meeting at Olympic Hall, atquantity it was very bloody, and continued bloody until now, although it is less so than formerly. The cow looks well. The udder is soft, and there are no numps in the milk. How can the trouble be removed?" To which the editor replies: There is no remedy but patience. The cow will probably soon fall off in her milk and become fat, as this is the usual behavior of such cows. You may try the effect of some cooling, medicing usual behavior of such cows. You may try the effect of some cooling medicine, such as 12 ounces of Epsom salts and 1 ounce of saltpetre dissolved in water and given by means of a horn or drenching bottle. If this does not remove the excitement of the milk glands and cause a recording of the milk, the ease the committee.

Last fall I determined to make some experiments in feeding milch cows. We that four new milkers. We began the first of January. I had long been of the opinion that steaming would pay for the two toold as we had a kettle for heating water I provided some tubs large enough to hold a mess for the four cows. In each of these we mix 3 bushels of cut cornstalks, 8 quarts of corn meal ground with the cob, 8 quarts of when the cornstalks, 8 quarts of corn meal ground with the cob, 8 quarts of when the cornstalks are the cornstalks, 8 quarts of corn meal ground with the cob, 8 quarts of when the cornstalks are the cornstal constalks, 8 quarts of corn meal ground with the cob, 8 quarts of wheat bran and 3 quarts of cotton seed meal. On this we put 5 pails of boiling water and cover it with a piece of old carpet. One of these messes makes a feed for the four and they can get it all up. The messes these messes makes a feed for the four and they can eat it all up. The mess will be warm 20 hours after mixing. This, night and morning, with a little feed of hay or oat straw, keeps them in the best condition. They are all gaining in flesh and doing well. Two of these are high bred Jerseys and are coming four years old and are making 12 lbs. of butter per week and milk for a family of 11 persons. The other two are, one a3-4 Jersey that has made a calf to weigh 150 lbs. since Jan. 1, and the other is an old native who is also fatting calf, but it is not so good as the fatting calf, but it is not so good as the first. The rest of our stock we are feeding nrst. The rest of our stock we are feeding cut stalks dry, and they leave nearly one-third of them, though they eat much more of them than if they were uncut. I am fully satisfied that with wind or horse-power to do the cutting and some sort of a cheap steaming apparatus, that was a way was could be saved in the case. a man's wages could be saved in the care of 20 cows. The whole work of preparing feed by hand for these four cows does not

Do Creameries Pay?

Just now our people are taking som interest in the creamery business, and in order to give them still more proof that creameries do pay, we copy a few extracts from the report of the superintendents of a few creameries in Nebraska, that our readers may judge whether or not a creamery will pay in Phelps county. The superintendent says:

J. R. Davis, of Dodge county has 40 cows. Received for cream sold last year, \$1,682.49, calves, \$400. Total expense for help, \$450. Net profit, \$1,632 or \$32.30 from each cow.

Wm. Rowe, of Washington county, has received from 100 cows \$25 to \$30 each for cream sold last year. He is breeding full blooded Holsteins, with 80 high grade Shorthorn cows, and thus exorder to give them still more proof that

Wisconsin Dairy Notes.

The Dartford cheese factory made something over 31,000 pounds of cheese the last season.

with same grass pasture and feeding mangalds and mass.

something over 31,000 pounds of cheese the last season.

William Paulsen, of Chilton, recently shipped 4,500 pounds of butter to Milwaukee and Chicago.

J. E. Hickey, of Hebron, Jefferson county, received \$648.02 for his milk during the season, being an average per cow of \$45.66.

C. B. McCanna & Co., will erect a cheese factory at Burlington in the spring. It will have a capacity of 10,000 pounds of milk a day.

A number of Rock county farmers who are interested in butter making, are ar-

Cheese and Butter-Making in Canada

The Dominion House Committee on Immigration and Colonization met on Friday and examined Prof. L. B. Arnold. Friday and examined Prof. L. B. Arfold, the well-known dairy specialist, on the subject of Canadian dairying. The examination brought out a great deal of valuable information in relation to the present condition of cheese and butter present condition of cheese and outer manufacture and the prospects for the future, and prices obtained, and the rela-tive value of American and Canadian dairy goods in the Liverpool markets. He stated that in recent years Canadian cheese has ranked as high as that of the United States, and that in competition with them for prizes we have generally been the winners. The Canadian climate too, while somewhat severe, was better for the production of a continuous supply of succulent feed and pure water during the summer season than that of the United States. He believed that the common stock of the country furnished. common stock of the country furnished the best dairy cows with proper care and feed, and thought the most money was to be made by manufacturing butter and skim milk cheese.

A hearty vote of thanks was tendered by the readers of the avanture.

NEW YORK, March 3.—The Senate Committee investigating adulteration in food to-day, examined Dr. Martin, a chemist, who, during the past year, has investigated under the direction of the State Board of Health, several factories where imitation cheese is made. In one factory in Orange county, it was found to the chemist, the constituent portions eing 75 per cent. of lard to 25 per cent. found the found to the constituent portions eing 75 per cent. of lard to 25 per cent. found the found to the constituent portions eing 75 per cent. of lard to 25 per cent. found the constituent portions eing 75 per cent. of lard to 25 per cent. found the constituent portions eing 75 per cent. of lard to 25 per cent. found the constituent portions eing 75 per cent. of lard to 25 per cent. found the constituent portions eing 75 per cent. of lard to 25 per cent. found the constituent portions eing 75 per cent. of lard to 25 per cent. found the constituent portions eing 75 per cent. of lard to 25 per cent. found the constituent portions eing 75 per cent. of lard to 25 per cent. found the constituent portions eing 75 per cent. of lard to 25 per cent. found the constituent portions eing 75 per cent. of lard to 25 per cent. found the constituent portions eing 75 per cent. of lard to 25 per cent. found the constituent portions eing 75 per cent. of lard to 25 per cent. found the constituent portions eing 75 per cent. of lard to 25 per cent. found the constituent portions eing 75 per cent. of lard to 25 per cent. The lard used was rendered at temperature scarcely black. chemist, who, during the direction of the investigated under the direction of the state Board of Health, several factories where imitation cheese is made. In one factory in Orange county, it was found that the cheese made consisted principality of pure lard, the constituent portions being 75 per cent. of lard to 25 per cent. of lard to 25 per cent. of butter. The lard used was rendered at a temperature scarcely higher than blood heat. The witness did not think the temperature employed sufficient to destroy germs of animal life. Dr. Love the testified that out of thirty samples of what was sold him as pure butter, only six were genuine.

The First California Creamery.

The First California Creamery.

The Health, several factories bar and soft is to day the many the quarters clean of milk the bag is tender, bathe it beyeral times daily with a mixture of equal parts of tincture of arrica and soft was true; in law onto traven on my factor. But it is impossible—on the contrary, it i

year. When our State is more thickly settled than it is now, there will not be room enough for such large herds, and then we will be obliged to make butter and cheese. No country in the world can afford better grass for butter than Colorado, and yet by the sale of oleomargine and butterine the price of butter is seriously affected. These vile compounds are made and sold in large quantities in this State under the name of butter. We have no objection to people tities in this State under the name of butter. We have no objection to people making and selling things by their true name. But when tons of this trash are made and sold every day as creamery butter, the law should oblige them to

sell it by its right name.

These articles have been analyzed in Colorado by prominent chemists and found to be very impure, foul, and even injurious to the health. What is needed injurious to the health. What is needed is that every Granger and farmer see to it that the next Legislature pass a law to oblige the manufacturers to plainly and distinctly mark and brand their products and packages, and this fraud will cease, and butter will bring a fair price.—Colorado State Beaubite

The island of Jersey, off the coast of France, has one head of cattle to every two acres of land. Can two acres of average New York, New Jersey and Pennsylvania land be depended upon to support its two head of cattle?—Orange County Farmer.

staple. Last week the aggregate exports from Atlantic ports were 1,952,208 pounds of cheese, and 314,577 pounds of butter. The exports of cheese are largely in advance of corresponding dates in 1883. As compared with last year the stocks of cheese in the principal distributing centres show a deficiency of upwards of 60,000 boxes.

buting centres show a deficiency of upwards of 60,000 boxes.

—The drinking of milk is becoming very fashionable in Paris. Swell milk shops are as numerous in the fashionable quarters of that gay city as swell flower shops. If it were as easy to obtain aglass of pure fresh milk at the saloons and restaurants of our large American cities, as it is to purchase a mug of beer or a glass of wine, the health, temperance and well being of our people would be materially advanced. In some way our milk producers should take advantage of the outlet for pure milk.

—The total exports ol butter from the United States during the year 1883 were 22,289,660 pounds, valued at \$4,068,722, against 7,637,249 pound

breed of cows not much larger than goats. People said they were fair milkers, and one "ole aunty" made butter "fo' de sto'," from which it was inferred "fo' de sto '.' from which it was inferred that she made from her two cows butter for her own use and some to seil. Children have a natural fondness for diminutive things, as Bantam chickens, ponies, and little donkeys. Little breeds of cows too, have their fanciers. Kerrys, when

well formed, and of recently imported blood, are attractive as well as useful, and Brittanys are still more so, being much smaller. There is many a village lot on which one might be stabled, and tethered, to the advantage of the house-hold, and the comfort of the children.—

There is no doubt that a good deal of the value of a blooded cow is in the care taken of her. Take any number of Jerseys, Friesians, Herefords, Polled Anguses or Short Horns, and allow them to roam the roads and by-ways in summer or the formation of an Association looking to that end. and chew straw and cornstalk butts in and chew straw and cornstain butts in winter, browsing on short pasture and drinking out of mud holes, and they will look even more scraggy and forlorn at the close of summer, than an equal num-ber of "no blood" cattle who are born and reared to such a life. On the other

putation and market abroad or sells at home at nearly twice the prices at which Eastern butter is sold.

Che Pig Pen.

Save the Pigs.

Save the Pigs.

It is near the time of year for the appearance of the crop of spring pigs. With the present and prospective price of pork, it will pay for farmers to pay particular attention to farrowing sows. Spring pigs are worth twice as much as those coming at any other season of the year. Every good farmer should know about the day when their sows will farrow, and consequently make prepararow, and consequently make prepara-tions. The sows should have a separate lot, and at this season a warm and com-fortable place, safe from rain or snow, and protected from the wind. A sow's bedding should be ample with fine straw, betting should be ample with the straw, but not so much that the pigs will become buried in it and be smothered. Guards should be placed around the wall or partitious of the pen, made of six inch boards, six or eight inches from the wall, and the lower edge seven inches from the floor, so that the pigs when the sow lay down can all nucler. inches from the floor, so that the pigs when the sow lays down can slip under or behind the boards, and escape from being overlaid. And in case any trouble is anticipated it pays frequently for the owner sometimes to visit a farrowing sow frequently during the night. Sometimes it is so cold that the pigs will perish in a few minutes if not cared for. With a lantern basket and blanket remove.

Sensylvania land be depended upon to support its two head of cattle?—Orange County Farmer.

Watch your farm hands and note their treatment of cattle. The brutal habit of kicking cows should not be allowed. A kick in the udder will very likely result in bloody milk. Although the consequences of a blow or kick on the ribs may not be seen at once more or less damage will certainly follow.

The exports of cheese and butter continue heavy, especially in the former staple. Last week the aggregate exports from Atlantic ports were 1,952,208 pounds of cheese, and 314,577 pounds of the mother and will be all safe. The sow so soon as she is through should have in cold weather a drink of warm scalded bran or shipstuff.

To lose the spring litter of pigs nearly the entire year is lost, of the services of a valuable sow; and much of the profits or a valuable sow; and much of the profits or farm. It is trouble to have one's rest of nights to be disturbed for this purpose, but on the farm success depends on careful vigilance, and many a farmer has had to put a new mortgage on his farm in the fall which they would not, if the spring pigs had been saved by care and sacrifice of a little rest and sleep. Besides a man should have his sows so take it mouther and will be all safe. The sow so soon as she is through should have in cold weather a drink of warm scalded bran or shipstuff.

To lose the spring litter of pigs nearly the entire year is lost, of the services of a valuable sow; and much of the profits for farm. It is trouble to have one's rest of nights to be disturbed for this purpose, but on the farm success depends on careful vigilance, and many a farmer has had to put a new mortgage on his farm in the fall which they would not, if the spring pigs had been saved by care and sacrifice of a little rest and sleep. Besides a man should have his sows so the solution of the services of the services of the services of the services of a little rest and sleep. tame and docile that they will not be disturbed by his attending to the pigs when his nursing care is needed. All domestic animals are easily petted, and they are all the better of it. They are more useful, thrive better, and more

—The total exports of butter from the United States during the year 1883 were 22,289,660 pounds, valued at \$4,068,722, against 7,637,249 pounds, valued at \$1,516,950 in 1882. The exports of cheese in 1883 were 110,178,141 pounds, valued at \$11,451,419 in 1882. This shows that while the exports of cheese in 1883 were only a little more than in 1882, the exports of butter increased nearly 200 per cent. The total valuation of the exports of butter and cheese from this country in 1883, in round numbers, was \$15,700,000 against \$13,000,000 in 1882, a gain of \$2,700,000. Most of his gain was made during the last eight months of the year.

One of the most successful dairymen the last eight months of the year.

One of the most successful dairymen the last eight months of the year.

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Address as above.

Items of News.

A priest visited a coachman who was seriously ill. "Have you the habit of going to are born the church?" I can't say that I have," said the other the the cother are born the cother are born the cother are born the cother are born the cother are the cother are born the cother are the hand, take a number of ordinary cows, driven a great many persons there."-French paper.

Physicians Prescribe in Epilepsy.—"I pre cribe it in my practice,"is the expression used by Dr. J. A. Patmore, of Riley, Ind. He referredto Samaritan Nervine, and furtheralong says: "It cures epileptic fits."

When earth slips from woman, says some philosopher, she seeks refuge in heaven philosopher, sne seeks reduge in nearth.

This may all be very true; but when earth suddenly slips from man, he is requested to ERY purposes. Sold in bulk, barrels or sacks. crook his elbow less, and join some temper nce society .- Puck.

"What does the word 'pedigree' ohn?" "It means descent." "Write John?" "Write a sen tence on the board containing the word.' John went up and chalked off the following "We pedigreed down the hill."—Harper Bazar.

change, had grown eloquent in picturing to his little pupils the beauties of heaven, and he finally asked: "What kind of little boys go to heaven?" A lively little four-year-old boy with kicking boots flourished his fist. 'Well, you may answer," said the teacher. "Dead ones!" shouted the little fellow at the extent of his lungs.

A wealthy Boston man thought his son too much of a genius to be kept at home, and he sent him to Germany to be educated. The father, in describing the result, says: The boy was too much of an American to become first-class German, and he got too much German in him ever to become a first-class American, so he settled down into being a sort of nondescript.

Don't you do it .- Don't suffer any longer with the pains and aches of Rheumatism, which make life a burden to you. Relief, speedy and permanent, can be procured at the nearest drug store, in the form of Kidney-Wort. Elbridge Macolm of West Bath, Maine says? "I was completely prostrated with Rheumatism and Kidney troubles and was not expected to recover. The first dose of Kidney-Wort helped me. Six doses put me on my feet, it has now **enti**rely cured me and I have had no trouble since.'

a farmer near Junction City, Kas., now of Winlock, Lewis Co., W. T. writes to Drs Dickerson & Stark, of the Kansas City Surgieal Institute, "I thank God a thousand time that I placed my paralytic son under your care. He is now well and has recovered the full use of his limbs."

A GOOD ENDORSEMENT-E. C. Taylor, late

"May," asked a little Burlington girl of ompanion, "what do you suppose is the dif ference between a beau and a beau ideal? 'Well. I don't know," was the frank response ess they leave off the ideal after they get

The "ROUGH ON" TOOTH POW-



This powder never varies. A marvel of purity, strength and wholesomeness. More economical than the ordinary kinds, and cannot be sold in competition with the multitude of low test, short weight, alum or phosphate powders. Sold only in cans.

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OUR SOIL PULVERIZER.



Recommended by Farmers and Nurserymen as the strongest, simplest and best Clod Crusher and Soil Pulverizer invented. Light Draft. Cannot get out of order. It will save its cost every season. Can be worked on rough, stony ground without any danger of breaking. Send for circular. H. P. DEUSCHER, Hamilton, O. H. REINSTEDLER, Agent, St. Louis.

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\$250 A MONTH, Ag'ts wanted, 90 best selling articles in the world. I sample free.
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Butter, Cheese, Eggs, Honey, Wool and General Commission Merchant,
424 NORTH SECOND STREET, Sr. LOUIS, Mo.

\$1000 Positively ares to Agents overwhere sellings we starwar SOULD WHITE WHEE ACCOUNT WHEE CLOYESE-LAIR. Warranded, Pleases at right, Cheap, Selle residily at every house. Agents Every 1000 Days clearing \$10 per day. Farmers make \$500 to \$1500 daring Winter. Handsone semples from

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Salt The Purest, Strongest, Best and Cheap
est Salt made. Warranted as pure as any
Triumphant everywhere. At Buffalo in
the State test of '57; at the New York Butter and Cheesse Exchange test. '75; at the Milwaukee Grand Union Dairy Exchange Fair
'53, taking all the leading premiums and
sweepstakes but one, tying its rival on
that, over four foreign competitors. Sole
manufacturers, the American Dairy Salt Co.
L. Add'ss J.W.BARKER, Sec'y, Syracuse, N. Y. **Batcheller Barrel Churn**



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surface than asy other
can. It will raise
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satisfactory agh higher temperature and in
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ENGINES, THRESHERS SAW-HILLS, Rorse Powers

(Suited to all sections.) Write for FREE Blus. Pane

Che Stock Bards.

Neekly Review of the Live Stock Market. sceipts and shipments for the week at Il a. m. to-day were as follows:

Friday	1360 152 2141 665	4255 1186 3213 2926	521 992 3298 389	99 36 104
Total	8,111	21,037	7,700	954
	BHIPME	NTS.		Horses
	Cattle.	Hogs.	Sheep.	and mules.
Wednesday	1540	867	40	258
Thursday	812	1646	-	131
Friday	2674	1945	235	220
Saturday	595	1886	1469	60
Monday	1438	2863	398	142
Tuesday	- 88	767	981	119
Total	7,147	9,974	3,123	930

A shipment of Texas ponies from the ranch of a wealthy Englishman in the west-ern part of Texas was received at the Na-I Stock Yards this week en route to Eng-

The Breeders Gazette expert says the cattle

olague at Neosho Falls, Kansas, is not foo and mouth disease.

Hogs are dying by hundreds in Benton Co Mo., from a new disease. They lose thei appetite, shortly have peculiar kind of spasm

There are over 35,000 head of cattle grazing within a radius of 20 miles of Maiden, Mor tana, which are valued at \$1,000,000. It is claimed that cattle in the neighborhoo

of Darlington, Indian Territory, have become very thin, and many died of late.

An acre of alfala, if properly cultivated, will FLOUR—The market has ruled generally

the following interesting statement and com- xxx \$3 70@3 80, xx \$3 25@3 35, x \$2 90@3 05, su-

The largest increase of numbers during the \$640.

Horses	10.838,111	11,169,683	331,572
Mules	1,871,079	1,914,126	43,747
Milch cows	13,125,685	13,501,206	369,521
Oxen, other catt	le.28,046,077		1,000,024
Sheep	49,237,291	50,626,626	1,389,335
Swine	48,270,086	44,200,893	930,807
The Wabash st	ock trains h	ave been	making
	s to Ne		
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1			- A - + 1-1-
A 100	mule	s was m	Series Chin

ock by Co. Thomas B. Davis, vice-president and general manager of the West Virginia Central and Pittsburgh railroad, for service in coal mining in the line of that road. The reduction in Eastern rail rates gave rise

but steady, but closed lower and dull, No. 2 was a decided bullish phase, and the gen-movement was more active at an ad-se of fully 15 to 20c. The opening was

strength of this advance was telt more especially by the best grades of shipping cattle. Medium and fair although selling at stronger prices were not in so urgent request, while low grades and butchers cattle showed little or no change, the latter owing to their scarcity bring remarkably well maintained throughout the week. Receipts continue liberal although not so heavy as those of last week, and the average quality continues about the same. Corn fed Texans are now viving quite freely, and when of good weight, bring high prices. Feeding steers have been in light supply and limited demand for stockers. Cows and heifers have arrived in small numbers and were held high, but selling readily at top figures.

The closing day was marked by slowness and indeed actual duliness, with prices weak and unsettled. Buyers were scarce, and exhibited no disposition to purchase, and the smallness of the receipts. We quote:

only thing that prevented a decline was the smallness of the receipts. We quote:

Exporters\$6	25	60	6	65
and to heavy steers 6	05	100	6	30
Light to fair steers (grasses) 5	10	100	5	75
Common to medium nat. steers. 5	00	100	5	30
Pair to good Colorado steers 4	50	6	5	50
Conthwest steers 4	00	@	5	50
Light to good stockers 3	50	@	4	65
Pair to good feeders 4	00	100	5	00
Vative cows and heifers 8	75	æ	4	80
calawags of any kind 2	75	@	3	50
formind Texas steers 4	75	a	5	80
filch cows with calves25	00	@ 5	10	00
Teal calves 6	00	@ 1	13	00
HOGS-The general trade the pas				
oen of a quiet character, there l	bei	ng	li	ttle

or no excitement, and no marked features o interest. The quality of the bulk of the ar-rivals has shown no improvement, and to this fact may be attributed the early withdrawal of Cincinnati buyers, and the small number of sales to shippers. Notwithstand-ing these unfavorable features, values have been steadily maintained, and before the close of the week have shown decided advance business will show. Wednesday trade was quiet, the demand being light but yet sufficient to clear up everything before the close. Variable was taken cff. Sales light but yet sufficient to clear up everything before the close. Variable was taken cff. Sales being made at \$50.50 c. Drover firmer, at \$5.85.86 SED.—Little done. Receipts and offerings free of German millet; the better to clear up everything before the close. Variable was taken cff. Sales being made at \$50.50 c. Drover firmer, at \$5.86.86—foul and trashy less. Others quiet. Timothy low to pigs. Yorkers \$6.500 c. common to good packing \$6.3500 Sb. common to 10 lights \$5.00 c. common to 10 lights \$1.00 c. common to 10 lights \$5.00 c. common to 1 to some grades, as a summary of the week's business will show. Wednesday trade was quiet, the domand being light but yet sufficient to clear up everything before the close. Values were easier from the start, and a little

b tter. Rates East were favorable to ship pers, and a large movement was had, lot at buyers being pretty well shut out. We quote common to good mixed packing \$8 4000 to, Yorkers \$6 3506 60, butchers \$6 9007 15, and pigs \$6@6 25. Saturday the market was quiet | 11 for want of stock, but prices steady at Fri days figures. Monday trade was active at an advance of 5 cents for best grades, fair to good packers bringing \$6 50@6 90, and butchgood packers bringing \$6 50@6 90, and butch-ers to extra \$6 90@7 15, Yorkers slow at \$6 30@ James, the Bandit King," Ma ch 30tb.

650, and pigs to good lights \$1@5.75.
Closed weak at a decline of loc. Supply
small and under a good demand from local
packers and Eastern shippers, everything ras closed out at an early hour at price ranging as follows: Common to good mixed packing \$6.49@6.80, butchers to extra \$6.90@ 7.10. Yorkers \$6.30@6.45, lights \$6@6.25, pigs

SHEEP-The markets East have remained infavorable during the entire week, but lo cally the demand has been about adequate to the consumption of the supply, which, fortu nately, has proved light. Common sheep find but small sale just now, and it is advisable to keep such at home, but good to choice will find ready sale at all times. Values this week have undergone little or no change, the fol-lowing rates being well maintained. We quote: Common to medium, 83 25@4 50, fair to good, \$4 75@5 25, prime to fancy, \$5 50@5 80

Horses and Mules.

The attendance of Eastern and Southern The attendance of Eastern and Southern Raisers feed their stock with sorghum with the best of results.

A committee of Chicago livestock men has been appointed by the Live Stock Exchange to visit Washington in opposition to the passage of the Animal Industry bill.

A disease supposed to be aptheus fever has appeared among cattle near Rockford, Ills. They are taken sick at night and die before morning, their bodies becoming very much bloated.

The Breeders Gazette expert says the cattle

- 1	HORSES.
t	Heavy draft \$150@225
1	Drivers 125@200
ı	Streeters 110@140
Į	Southern, fair to extra 75@100
	Saddlers 110@170
	Piugs 50@ 75
	MULES.
	13 to 13% hands,4 to 8 years old 6000 90
	14 to 14% hands,4 to 8 years old 90@100
۱	15 to 1514 hands, 4 to 8 years old 110@130
	15% hands, 4 to 8 years old 130@150
	15% to 16 hands, 4 to 8 years old, extra 150@180
	Old plugs 40@110

on from two to three bullocks, or twenty- steady and fairly active for the best grades the to thirty sheep.

The annual report of the numbers and values of farm animals, by J. E. Dodge, statistician of the Department of Agriculture, gives

\$5 15@5 25, choice \$4 65@4 80, family \$4 10@4 25, perfine \$2 65@2 70, fine \$2 35@2 45, Patents \$5 75

The largest increase of numbers during the past year, has been of stock cattle. In the South there has been a slight decrease, caused by the movement to Texas and the Indian Territory, to swell the numbers driven to the plains and mountains.

The number of cows is steadily increasing with increase of population, and is largest in the more rapidly growing Western States.

The increase in horses has been large, and not confined to any section, though largest beyond the Mississippi, in the newer States and in the Territories beyond. A slight enlargement of the number of mules is indiagnated by the state of the number of mules is indiagnated by the state of the same of the number of mules is indiagnated by the same of the number of mules is indiagnated by the same of the number of mules is indiagnated by the same of the number of mules is indiagnated by the same of the number of mules is indiagnated by the same of the number of mules is indiagnated by the same of the number of mules is indiagnated by the same of the number of mules is indiagnated by the same of the same of

and in the Territories beyond. A slight enlargement of the number of mules is indicated.

The numbers of sheep have slightly decreased in the older States, in sympathy with the tendency to decline in values of sheep and wool; but the deficiency has been made up by some enlargement of flocks in the Territories. The aggregate numbers of each class of stock are thus compared with those of the provider and the control of the provider and the provider an the chief attraction selling from 49% @50, clo 1883. 1884. Increase. 10.838, 111 11,169,883 331,572 mand and generally well maintained in 12,710,79 1,944,129 4,37,47 113,125,685 13,501,206 365,621 2,9046,101 1,000,024 49,237,221 50,026,622 1,383,335 49,279,086 44,200,208 690,807 49,200 making trains have been making trains have been making to New York.

rejected 43%@44%, new mixed 45%@46%, no grade 401/2 bid. OATS—Received into elevators during week 138,504 bushels. Withdrawn 83,943 bushels. Option trading entirely nominal, and closed weak with sellers at declines; May selling at The reduction in Eastern rail rates gave rise of adarge volume of business in both cattle and hogs this week.

CATTLE—The cattle market this week has shown a decided bullish phase, and the genbusyn a decided bullish phase, and the gen-

what quiet and the outlook owing to HAY.—Receipts light; offerings very small what quiet and the outlook owing to infavorable Eastern advices and the and prices higher—feeders taking what little offered at the advanced rates asked. Sales; On E. trk—2 cars clover mixed at \$9,4 prime netant to pay stronger prices timothy at \$11 @ 11 50,7 strictly prime do at reinctant to pay sit optimize the pay sit of the pay sit of the pay sit optimizes the pay sit optimizes the pay sit of the pay elled to, in order to get histancy, \$13.50; this side—1 car low prairie at \$10,3 a in Eastern rail rates giving rise choice western do at \$10.50,2 mixed timothy r volume of business and a big at \$10,2 choice mixed to at \$11,3 prime timodis as enjoyed at the advance. The full thy at \$11.50, 1 at \$11.75, 2 strictly prime at sength of this advance was felt more escially by the best grades of shipping cattle.

and turkeys in good request, but there was little or no inquiry for ducks or geese—latter when plucked very difficult to dispose of We quote: Chickens—Cocks \$3 25, mixed \$3 50 @3 75, hens \$4; turkeys \$15 to \$20 per doz., or 15c \(\psi \) by weight; ducks \$3 50@4; geese \$4@4 50 plucked, \$5@7 for feathered. Dressed—Turkeys in demand at 16@18c \(\psi \) b; other kinds nominal; chickens at \$3@3 50; ducks Rinds nominal; cilckens at \$362 50; ducks \$3 5064; geese \$467; weather unfavorable. GAME—Ducks in fair supply, moderate de-mand and steady—\$1 75 for mallard, \$1.25 for teal, 75c for common mixed; snipe dull and weak at \$1 for selected; offerings in poor or-der; plover dull at \$1 for large yellow-leg and golden; 50c for bull-heads; 25c for sand-pipers.

ONION SETS—Prime tops at \$1 25@1 40, and bottoms at \$1 50@1 65 for yellow to \$1 70 for

white.
DRIED FRUIT—Dull and weak; we quote
Apples—Fair at 626%; prime 6% 27c; evaporated nominal at 8c to 10c. Peaches—mixed
and fair halves 525%; prime halves 5% 36c
outside figures given above are for choice
bright only; inferior, very dark and wormy,
leas. Sales: I car apples and small lots do
and peaches at quotations.

St. Louis Amusements.

Barlow and Wilson's Minstrels are giving an admirable perform nee at the Grand Rice's Surprise Party in "Pop," next week. An admiracie party in "Pop," nextwees.

Mme. Janauschek, the great legitimate actrass, is playing an interesting engagement at the Olympic. Mrs. Langtry, the famous English beauty, will appear nextweek in "A Wife's P. ril."

Lies Rertha Welby, an excellent actress, is

"7 20-8," an admirable comedy, is doing well at the Standard Bayliss & Kennedy's "Bright Lights," March 30th.

DYSPEPSIA.

Sedentary habits, mental worry, nervous excitement, excess or imprudence in eating or drinking, and various other causes, induce Constipation followed by general derangement of the liver, kidneys, and stomach, in which the disorder of each organ increases the infirmity of the others.

The immediate results are Loss of Appetite, Nausea, Foul Breath, Heartburn, Flatulence, Dizzlness, Sick Headaches, failure of physical and mental vigor. distressing sense of weight and fullness in the stomach, and increased Costiveness, all of which are known under one head as Dyspepsia.

In every instance where this disease does not originate from scrofulous taint in the blood, AYER'S PILLS may be confidently relied upon to effect a cure. Those cases not amenable to the curative influence of AYER'S PILLs are alded by the powerful blood-purifying properties of AYER'S SARSAPA-

purifying properties of AYER'S SARSAPA-Dyspeptics should know that the longer treatment of their mandy is postponed, the more difficult of cure it becomes.

Ayer's Pills

Never fail to relieve the bowels and promote their healthful and regular action, and thus cure Dyspepsia. Temporary palliatives all do permanent harm. The fittul activity into which the enfeebled stomach is spurred by "bitters," and alcoholic stimulants, is inevitably followed by reaction that leaves the organ weaker than before.

"Costiveness, induced by my sedentary habits of life, became chronic; AYER'S PILLS afforded me speedy relief. Their occasional use has since kept me all right." HERMANN BRING-HOFF, Newark, N. J.

HOFF, Newark, N. J.

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"They have entirely corrected the costive habit, and vastly improved my general health." BEV. FRANCIS B. HARLOWE, Atlanta, Ga.

"The most effective and the casiest physic I have ever found. One dose will quickly move my bowels and free my head from pain." W. L. Pack, Richmond, Va.

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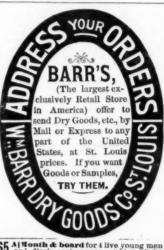


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THIRD PREMIUM—Diploma.
We are awarded the FIRST PRIZE, competing with the best Harrows manufactured in the United States, including the

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Shade Trees: Carolina Poplar, Tulip, Linn, Sycamore, Elm, Maple, Ash, Horse Chestnut, Red Bud, Dog Wood, &c., 50c to 75c.
Flowering shrubs in large variety, 50c.
Small Fruits, such as Raspberries, Currants 15 oper doz., Strawberries, \$2 ob per 100—the choicest kinds.
Evergreens—Norway Spruce, Scotch Pine, Austrian Pine, Red Cedar, Arbor Vita, Irish Juniper, Savin, &c., 50c to 51. Address COL-MAN NURSERY CO., care RURAL WORLD 600 Olive Street.

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ound at Lastic you will send us Ten Cents Siver, you'll get by mail our New Case and Contents that will help you to more READY CASH at once, than any other method in the world. It never fails. World M'fg Co., 122 Nassua St., New York.

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The wire does not cross the machine, thus avoiding a GREAT WEAR AND STRAIN ON THE WIRE, and friction on the pulleys, and making a wire that does not cross the machine outwear several wires that do cross.

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